



# ELISA Kits

Enzyme-linked Immunosorbent Assays

## Metabolic Syndrome Biomarkers

Obesity/Type 2 Diabetes Markers

Insulin Resistance Markers

Cardiovascular Markers

## Inflammatory Diseases Biomarkers

Rheumatoid Arthritis

Neuroinflammation Markers

## Cancer & Autoimmune Diseases Biomarkers



## Biomarkers

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# Adiponectin

**Obesity, Insulin Resistance, Type 2 Diabetes (T2D), CVD, NAFLD, Obesity-related Inflammation, Various Cancers**

## Adiponectin (human) ELISA Kit

THE STANDARD

AG-45A-0001Y Available Sizes: 96 wells / Twin Plex / Penta Plex  
Species reactivity: Human  
Sensitivity: 100 pg/ml  
Range: 0.5 to 32 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Urine, Cell Culture Supernatant

## Adiponectin (rat) ELISA Kit

AG-45A-0005Y Available Sizes: 96 wells / Twin Plex / Penta Plex  
Species reactivity: Rat  
Sensitivity: 50 pg/ml  
Range: 0.375 to 24 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

## Adiponectin (mouse) ELISA Kit

AG-45A-0004Y Available Sizes: 96 wells / Twin Plex / Penta Plex  
Species reactivity: Mouse  
Sensitivity: 50 pg/ml  
Range: 0.125 to 8 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

# ANGPTL3

**CVD, NAFLD, Insulin Resistance, Rheumatoid Arthritis**

## ANGPTL3 (human) ELISA Kit

AG-45A-0014Y Available Sizes: 96 wells / Twin Plex  
Species reactivity: Human  
Sensitivity: 75 pg/ml  
Range: 0.156 to 10 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

## ANGPTL3 (mouse/rat) Dual ELISA Kit

AG-45A-0015Y Available Sizes: 96 wells / Twin Plex  
Species reactivity: Mouse / Rat  
Sensitivity: 15 pg/ml  
Range: 0.016 to 1 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

# ANGPTL6

**Type 2 Diabetes (T2D), Obesity, Insulin Resistance, Preeclampsia**

## ANGPTL6 (human) ELISA Kit

AG-45A-0016Y Available Sizes: 96 wells / Twin Plex  
Species reactivity: Human  
Sensitivity: 1.2 ng/ml  
Range: 1.56 to 100 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

# BAFF

**Autoimmune Diseases (Sjögren's Syndrome, SLE, Pancreatitis & Hepatitis), Lymphomas, Inflammatory Diseases (Polymyositis, RA, Sarcoidosis)**

## BAFF, Soluble (human) ELISA Kit (hypersensitive)

AG-45B-0001 Available Size: 96 wells  
Species reactivity: Human  
Sensitivity: 8 pg/ml  
Range: 15.6 to 500 pg/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

## BAFF, Soluble (human) Matched Pair Detection Set

AG-46B-0001 Reagents to perform 5x 96 wells  
Species reactivity: Human  
Sensitivity: 16 pg/ml  
Range: 16 to 1000 pg/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

## Caspase-1

### Assay for measuring Inflammasome Activation

#### Caspase-1 (mouse) ELISA Kit

|                     |                                         |
|---------------------|-----------------------------------------|
| AG-45B-0002         | Available Size: 96 wells                |
| Species reactivity: | Mouse                                   |
| Sensitivity:        | 33 pg/ml                                |
| Range:              | 0.15 to 10 ng/ml                        |
| Assay type:         | Sandwich                                |
| Sample type:        | Serum, Plasma, Cell Culture Supernatant |

#### Caspase-1 (mouse) *Matched Pair Detection Set*

|                     |                                 |
|---------------------|---------------------------------|
| AG-46B-0003         | Reagents to perform 5x 96 wells |
| Species reactivity: | Mouse                           |
| Sensitivity:        | 50 pg/ml                        |
| Range:              | 0.15 to 10 ng/ml                |
| Assay type:         | Sandwich                        |
| Sample type:        | Cell Culture Supernatant        |

## Clusterin

### Cancer (Hepatic, Pancreatic, Gastric), Neurodegenerative Diseases, Metabolic Syndrome, Obesity-related Inflammation, Renal Injuries

#### Clusterin (human) Competitive ELISA Kit **THE STANDARD**

|                     |                                         |
|---------------------|-----------------------------------------|
| AG-45A-0013Y        | Available Sizes: 96 wells / Twin Plex   |
| Species reactivity: | Human                                   |
| Sensitivity:        | 1 ng/ml                                 |
| Range:              | 0.001 to 5 µg/ml                        |
| Assay type:         | Competitive                             |
| Sample type:        | Serum, Plasma, Cell Culture Supernatant |

## DLK1

### Metabolic Syndrome, Cancer

#### DLK1, Soluble (human) ELISA Kit

|                     |                                 |
|---------------------|---------------------------------|
| AG-45A-0032Y        | Available Sizes: 96 wells       |
| Species reactivity: | Human                           |
| Sensitivity:        | 336 pg/ml                       |
| Range:              | 0.47 to 30 ng/ml                |
| Assay type:         | Sandwich                        |
| Sample type:        | Serum, Cell Culture Supernatant |

## FGF-19 / FGF-21

### FGF-19/21: Obesity, Type 2 Diabetes (T2D), Insulin Resistance, Hepatic Diseases FGF-21: Mitochondrial Diseases, Rheumatoid Arthritis, Preeclampsia

#### FGF-19 (human) ELISA Kit

|                     |                                         |
|---------------------|-----------------------------------------|
| AG-45B-5002         | Available Sizes: 96 wells               |
| Species reactivity: | Human                                   |
| Sensitivity:        | 10 pg/ml                                |
| Range:              | 31.2 to 2000 pg/ml                      |
| Assay type:         | Sandwich                                |
| Sample type:        | Serum, Plasma, Cell Culture Supernatant |

#### FGF-21 (human) ELISA Kit

|                     |                                         |
|---------------------|-----------------------------------------|
| AG-45B-5001         | Available Sizes: 96 wells               |
| Species reactivity: | Human                                   |
| Sensitivity:        | 7 pg/ml                                 |
| Range:              | 30 to 1920 pg/ml                        |
| Assay type:         | Sandwich                                |
| Sample type:        | Serum, Plasma, Cell Culture Supernatant |

## GPX1

*Various Cancers, Insulin Resistance, Obesity, Type 2 Diabetes (T2D)*

### GPX1 (human) ELISA Kit

AG-45A-0037Y Available Sizes: 96 wells / Twin Plex  
Species reactivity: Human  
Sensitivity: 45 pg/ml  
Range: 0.0625 to 4 ng/ml  
Assay type: Sandwich  
Sample type: Plasma

### GPX1 (human) (IntraCellular) ELISA Kit

AG-45A-0034Y Available Sizes: 96 wells / Twin Plex  
Species reactivity: Human  
Sensitivity: 45 pg/ml  
Range: 0.063 to 4 ng/ml  
Assay type: Sandwich  
Sample type: Cell Lysate

## GPX3

*Hypertension, Type 1 (T1D) and Type 2 Diabetes (T2D), CVD, Atherosclerosis, Amyotrophic Lateral Sclerosis (ALS)*

### GPX3 (human) ELISA Kit

AG-45A-0020Y Available Sizes: 96 wells / Twin Plex / Penta Plex  
Species reactivity: Human  
Sensitivity: 100 pg/ml  
Range: 0.5 to 32 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

## IL-1 $\alpha$

*Assay for measuring Inflammasome Activation & corresponding Inflammatory Diseases*

### IL-1 $\alpha$ (mouse) ELISA Kit

AG-45B-0003 Available Size: 96 wells  
Species reactivity: Mouse  
Sensitivity: 9 pg/ml  
Range: 15.6 pg/ml to 1 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

### IL-1 $\alpha$ (mouse) *Matched Pair Detection Set*

AG-46B-0004 Reagents to perform 5x 96 wells  
Species reactivity: Mouse  
Sensitivity: 10 pg/ml  
Range: 15.6 to 2000 pg/ml  
Assay type: Sandwich  
Sample type: Cell Culture Supernatant

## IL-33

*Rheumatoid Arthritis, Autoimmune Diseases, Inflammatory Diseases, Various Cancers, Obesity, Diabetic Neuropathy, Atherosclerosis*

### IL-33 (human) ELISA Kit

**THE STANDARD**

AG-45A-0033Y Available Sizes: 96 wells / Twin Plex  
Species reactivity: Human  
Sensitivity: 5 pg/ml  
Range: 0.016 to 1 ng/ml  
Assay type: Sandwich  
Sample type: Serum, Plasma, Cell Culture Supernatant

## IL-36 $\beta$

### Skin Inflammation

#### IL-36 $\beta$ (human) Matched Pair Detection Set

|                     |                                 |
|---------------------|---------------------------------|
| AG-46B-0009         | Reagents to perform 5x 96 wells |
| Species reactivity: | Human                           |
| Sensitivity:        | 10 pg/ml                        |
| Range:              | 15.6 to 1000 pg/ml              |
| Assay type:         | Sandwich                        |
| Sample type:        | Cell Culture Supernatant        |

## IL-37

### Inflammatory Diseases

#### IL-37 (human) ELISA Kit

|                     |                                                    |
|---------------------|----------------------------------------------------|
| AG-45A-0041Y        | Available Sizes: 96 wells / Twin Plex / Penta Plex |
| Species reactivity: | Human                                              |
| Sensitivity:        | 10 pg/ml                                           |
| Range:              | 0.016 to 1 ng/ml                                   |
| Assay type:         | Sandwich                                           |
| Sample type:        | Serum, Plasma                                      |

## IL-36Ra

### Skin Inflammation

#### IL-36Ra (human) Matched Pair Detection Set

|                     |                                 |
|---------------------|---------------------------------|
| AG-46B-0006         | Reagents to perform 5x 96 wells |
| Species reactivity: | Human                           |
| Sensitivity:        | 0.5 ng/ml                       |
| Range:              | 0.78 to 50 ng/ml                |
| Assay type:         | Sandwich                        |
| Sample type:        | Cell Culture Supernatant        |

## IL-38

**NEW**

### Adapted and Innate Immune Responses

#### IL-38 (human) Matched Pair Detection Set

|                     |                                 |
|---------------------|---------------------------------|
| AG-46B-0007         | Reagents to perform 5x 96 wells |
| Species reactivity: | Human                           |
| Sensitivity:        | 20 pg/ml                        |
| Range:              | 0.031 to 2 ng/ml                |
| Assay type:         | Sandwich                        |
| Sample type:        | Serum, Cell Culture Supernatant |

**Replaces AG-46A-0002. Contains New Matched Pair Antibody Set.**

## Irisin

### Energy Metabolism, Obesity, Type 2 Diabetes (T2D), Insulin Resistance, COPD

#### Irisin Competitive ELISA Kit

|                     |                                                    |
|---------------------|----------------------------------------------------|
| AG-45A-0046Y        | Available Sizes: 96 wells / Twin Plex / Penta Plex |
| Species reactivity: | Human / Monkey / Mouse / Rat                       |
| Sensitivity:        | 1 ng/ml                                            |
| Range:              | 0.001 to 5 $\mu$ g/ml                              |
| Assay type:         | Competitive                                        |
| Sample type:        | Serum, Plasma, Cell Culture Supernatant            |

## Nampt / Visfatin

### Diabetes, Obesity, Sepsis, IBD, Crohn's Disease, Rheumatoid Arthritis, Preeclampsia, Various Cancers

#### Nampt [Visfatin/PBEF] (human) ELISA Kit **THE STANDARD**

|                     |                                                    |
|---------------------|----------------------------------------------------|
| AG-45A-0006Y        | Available Sizes: 96 wells / Twin Plex / Penta Plex |
| Species reactivity: | Human                                              |
| Sensitivity:        | 30 pg/ml                                           |
| Range:              | 0.125 to 8 ng/ml                                   |
| Assay type:         | Sandwich                                           |
| Sample type:        | Serum                                              |

#### Nampt [Visfatin/PBEF] (human) (IntraCellular) ELISA Kit

|                     |                                                    |
|---------------------|----------------------------------------------------|
| AG-45A-0008Y        | Available Sizes: 96 wells / Twin Plex / Penta Plex |
| Species reactivity: | Human                                              |
| Sensitivity:        | 30 pg/ml                                           |
| Range:              | 0.25 to 16 ng/ml                                   |
| Assay type:         | Sandwich                                           |
| Sample type:        | Cell Lysate                                        |

#### Nampt [Visfatin/PBEF] (mouse/rat) Dual ELISA Kit

|                     |                                                    |
|---------------------|----------------------------------------------------|
| AG-45A-0007Y        | Available Sizes: 96 wells / Twin Plex / Penta Plex |
| Species reactivity: | Mouse / Rat                                        |
| Sensitivity:        | 50 pg/ml                                           |
| Range:              | 0.5 to 32 ng/ml                                    |
| Assay type:         | Sandwich                                           |
| Sample type:        | Serum                                              |

## Lipocalin-2

**Obesity, Insulin Resistance, CVD, FLD, Renal Injuries, Various Cancers**

### Lipocalin-2 (human) ELISA Kit

AG-45B-5003 *Available Sizes: 96 wells*  
**Species reactivity:** Human  
**Sensitivity:** 0.2 ng/ml  
**Range:** 0.39 to 25 ng/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Plasma, Cell Culture Supernatant

### Lipocalin-2 (mouse) ELISA Kit

AG-45B-5004 *Available Sizes: 96 wells*  
**Species reactivity:** Mouse  
**Sensitivity:** 0.1 ng/ml  
**Range:** 0.156 to 10 ng/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Plasma, Cell Culture Supernatant

## Periostin

**Asthma, Various Cancers, Metastasis in Epithelial Tumors, Renal Injury, Osteoarthritis**

### Periostin (human) ELISA Kit

AG-45B-0004 *Available Sizes: 96 wells*  
**Species reactivity:** Human  
**Sensitivity:** 15 pg/ml  
**Range:** 78 to 5000 pg/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Plasma, Cell Culture Supernatant

### Periostin (human) *Matched Pair Detection Set*

AG-46B-0005 *Reagents to perform 5x 96 wells*  
**Species reactivity:** Human  
**Sensitivity:** 30 pg/ml  
**Range:** 80 to 5000 pg/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Plasma, Cell Culture Supernatant

### Periostin (mouse) ELISA Kit

AG-45B-0005 *Available Sizes: 96 wells*  
**Species reactivity:** Mouse  
**Sensitivity:** 10pg/ml  
**Range:** 31 to 2000 pg/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Plasma, Cell Culture Supernatant

### Periostin (mouse) *Matched Pair Detection Set*

AG-46B-0002 *Reagents to perform 5x 96 wells*  
**Species reactivity:** Mouse  
**Sensitivity:** 20 pg/ml  
**Range:** 31 to 2000 pg/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Cell Culture Supernatant

## Progranulin

**FTLD, Rheumatoid Arthritis, Various Cancers, Type 2 Diabetes (T2D), Bipolar Disorder**

### Progranulin (human) ELISA Kit

**THE STANDARD**

AG-45A-0018Y *Available Sizes: 96 wells / Twin Plex / Penta Plex*  
**Species reactivity:** Human  
**Sensitivity:** 32 pg/ml  
**Range:** 0.063 to 4 ng/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Plasma, Urine, Cell Culture Supernatant, CSF

### Progranulin (rat) ELISA Kit

AG-45A-0043Y *Available Sizes: 96 wells / Twin Plex*  
**Species reactivity:** Rat  
**Sensitivity:** 40 pg/ml  
**Range:** 0.063 to 4 ng/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Cell Culture Supernatant

### Progranulin (mouse) ELISA Kit

AG-45A-0019Y *Available Sizes: 96 wells / Twin Plex / Penta Plex*  
**Species reactivity:** Mouse  
**Sensitivity:** 60 pg/ml  
**Range:** 0.125 to 8 ng/ml  
**Assay type:** Sandwich  
**Sample type:** Serum, Cell Culture Supernatant

## RBP4

*Insulin Resistance, Microalbuminuria, Type 2 Diabetes (T2D), CVD, Obesity, NAFLD, PCOS, Ovarian Cancer*

### RBP4 (human) ELISA Kit (Quantitative) **THE STANDARD**

AG-45A-0035Y Available Sizes: 96 wells / Twin Plex / Penta Plex  
 Species reactivity: Human  
 Sensitivity: 380 pg/ml  
 Range: 0.39 to 25 ng/ml  
 Assay type: Sandwich  
 Sample type: Serum, Plasma, Urine, Cell Culture Supernatant

### RBP4 (human) Competitive ELISA Kit

AG-45A-0010Y Available Sizes: 96 wells / Twin Plex  
 Species reactivity: Human  
 Sensitivity: 1 ng/ml  
 Range: 0.001 to 5 µg/ml  
 Assay type: Competitive  
 Sample type: Serum, Plasma, Urine, Cell Culture Supernatant

### RBP4 (mouse/rat) Dual ELISA Kit

AG-45A-0012Y Available Sizes: 96 wells / Twin Plex / Penta Plex  
 Species reactivity: Mouse / Rat  
 Sensitivity: 60 pg/ml  
 Range: 0.188 to 12 ng/ml  
 Assay type: Sandwich  
 Sample type: Serum, Urine, Cell Culture Supernatant

## RELM-β

*Potential Gut-Inflammation, Inflammatory Bowel Disease, Crohn's Disease, Ulcerative Colitis*

### RELM-β (human) **Matched Pair Detection Set**

AG-46A-0001 Reagents to perform 5x 96 wells  
 Species reactivity: Human  
 Sensitivity: 10 pg/ml  
 Range: 0.016 to 1 ng/ml  
 Assay type: Sandwich  
 Sample type: Human Feces

## Resistin

*Insulin Resistance, Type 2 Diabetes (T2D), Obesity, NAFLD, Various Inflammatory Diseases*

### Resistin (human) ELISA Kit

AG-45A-0023Y Available Sizes: 96 wells / Twin Plex / Penta Plex  
 Species reactivity: Human  
 Sensitivity: 100 pg/ml  
 Range: 0.125 to 8 ng/ml  
 Assay type: Sandwich  
 Sample type: Serum, Plasma, Cell Culture Supernatant

## Sirtuin 1

*Metabolic Syndrome, Type 2 Diabetes, Alzheimer's Disease, Various Cancers, Inflammatory Diseases*

### Sirtuin 1 (human) (IntraCellular) ELISA Kit

AG-45A-0029Y Available Sizes: 96 wells / Twin Plex  
 Species reactivity: Human  
 Sensitivity: 30 pg/ml  
 Range: 0.032 to 2 ng/ml  
 Assay type: Sandwich  
 Sample type: Cell Lysate

## Sirtuin 2

*Alzheimer's Disease, Huntington's Disease, Parkinson's Disease, Various Cancers*

### Sirtuin 2 (human) (IntraCellular) ELISA Kit

AG-45A-0030Y Available Sizes: 96 wells / Twin Plex  
 Species reactivity: Human  
 Sensitivity: 80 pg/ml  
 Range: 0.125 to 8 ng/ml  
 Assay type: Sandwich  
 Sample type: Cell Lysate



## Vaspin

**Type 2 Diabetes (T2D), Obesity, Insulin Resistance, CVD, NAFLD, Inflammatory Diseases**

### Vaspin (human) ELISA Kit

**THE STANDARD**

AG-45A-0017Y Available Sizes: 96 wells / Twin Plex / Penta Plex  
 Species reactivity: Human  
 Sensitivity: 12 pg/ml  
 Range: 0.016 to 1 ng/ml  
 Assay type: Sandwich  
 Sample type: Serum, Plasma, Cell Culture Supernatant

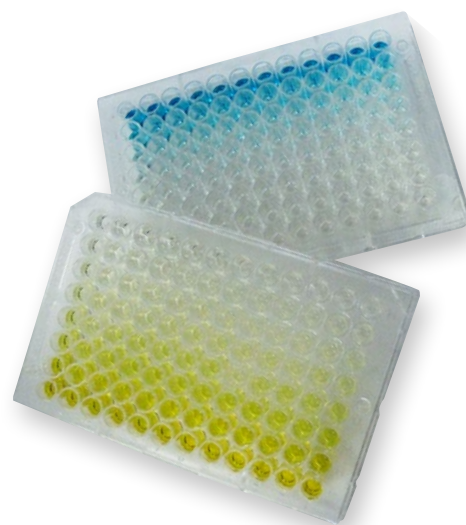
## Visfatin *see Nampt on Page 5*

## Zinc- $\alpha$ -2-glycoprotein (ZAG)

**Obesity, Various Cancers, Diabetic Neuropathy, Preeclampsia**

### ZAG (human) *Matched Pair Detection Set*

AG-46B-0008 Reagents to perform 5x 96 wells  
 Species reactivity: Human  
 Sensitivity: 100 pg/ml  
 Range: 0.0156 to 1 ng/ml  
 Assay type: Sandwich  
 Sample type: Serum, Plasma, Cell Culture Supernatant



## AdipoGen Life Sciences is dedicated to provide Quality ELISA Kits:

- Extensively validated
- Reproducible results with low inter- and intra-assay variation
- High sensitivity
- Broad range of sample types (e.g serum, plasma, cell culture supernatant, urine)
- Many citations in peer-reviewed key literature references