

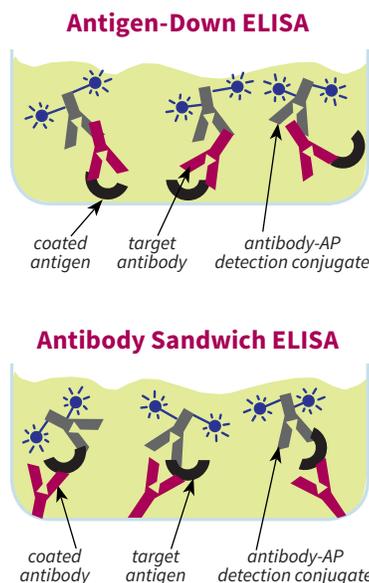
# Alkaline Phosphatase Conjugate Stabilizer, 1X

**Stabilizes antibody-AP conjugates and increases the specific signal.**

Alkaline Phosphatase Conjugate Stabilizer, 1X is designed for use in immunoassays utilizing alkaline phosphatase (AP) conjugates to generate the detection read-out signal. This ready-to-use formulation contains mammalian proteins and other additives that minimize background noise while stabilizing the catalytic site of the AP enzyme. It can also be used for long-term storage of AP conjugate stocks and working strength conjugates to help preserve the native three-dimensional structure while concurrently enhancing the steric interaction or binding relationship between the AP conjugate and the target antigen or antibody during the assay.

In antigen-down ELISAs, which are designed to detect antibodies in samples, an anti-IgG-AP conjugate may be used as the top detection antibody: it binds to the Fc portion of the target antibody that is bound to the antigen coated on the plate. In antibody sandwich ELISAs, which are designed to detect antigens in samples, an antibody-AP conjugate may be used as the top detection antibody: it binds to the target antigen that is bound to the antibody coated on the plate.

To use, simply add the AP conjugate to the conjugate stabilizer to obtain the desired AP conjugate dilution directed by the assay protocol. Add diluted AP conjugate solution to the ELISA plate according to the assay protocol. Store any remaining conjugate solution protected from light at 2-8°C.



## ALKALINE PHOSPHATASE CONJUGATE STABILIZER, 1 X

Size	Catalog #
25 mL	#6270
100 mL	#6271
1 L	#6273
10 L	#6274

### INSTRUCTIONS:

1. Gently mix Alkaline Phosphatase Conjugate Stabilizer in the bottle; avoid bubbles.
2. Prepare the AP conjugate solution at the pre-determined dilution factor/concentration. For example, if preparing 50 mL of a 1:5000 dilution AP-IgG conjugate solution, add 10  $\mu$ L AP-IgG conjugate stock concentrate to 49.99 mL AP Conjugate Stabilizer.
3. Mix for 15 minutes.
4. Pipette 50-300  $\mu$ L of the diluted AP conjugate into each well of the ELISA at the appropriate step in the assay.
5. Store remaining conjugate solution at 2-8°C. Protect from direct exposure to light. This can be accomplished by covering the container with aluminum foil.

For more ELISA protocols and information, please visit [www.immunochemistry.com](http://www.immunochemistry.com).

### SPECIFICATIONS:

- Clear light yellow liquid
- 1X ready to use

### STORAGE:

- 30 months at 2-8°C

### SAFETY & USAGE:

- SDS available at [immunochemistry.com](http://immunochemistry.com)
- Not for human or drug use
- For research use only

*Build a better assay with ELISA Solutions from ImmunoChemistry Technologies.*



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### BRIGHT MINDS, BRIGHT SOLUTIONS.

ImmunoChemistry Technologies, LLC gratefully acknowledges the significant contributions made by one of its founders, Brian W. Lee, Ph.D in the development of this product, including the creation and illustration of its strategy and protocol.