Product Specification Sheet

Product:  Biotin Conjugated Affinity Purified anti-Rabbit IgG [H&L] [Goat] Minimum Cross Reactivity to Bovine, Chicken, Goat, Guinea Pig, Horse, Human, Mouse, Rat and Sheep Serum Proteins

Code:  611-106-122

Lot #  2612

Size:  1.0 mg

Physical State:  Lyophilized

Antibody Concentration:  1.0 mg/ml (by UV absorbance at 280 nm)

Label:  Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC)

Biotin/Protein Ratio:  10-20 BAC molecules per Goat IgG molecule

Buffer:  0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Stabilizer:  10 mg/ml Bovine Serum Albumin (BSA) IgG and Protease free

Preservative:  0.01% (w/v) Sodium Azide

Application(s):  immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assay using streptavidin or avidin conjugates requiring lot-to-lot consistency.

Recommended Dilution(s): This product has been assayed against 1.0 ug of Rabbit IgG in a standard capture ELISA using Peroxidase Conjugated Streptavidin #S000-03 and ABTS (2,2’-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:40,000 of the reconstitution concentration is suggested for this product. Optimal titers for other applications should be determined by the researcher.

Storage Conditions:  Store vial at 4° C prior to restoration. Restore with 1.0 ml of deionized water (or equivalent). For extended storage reconstitute product with 50% glycerol instead of water and then aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. Expiration date is one (1) year from date of restoration.

Purity and Specificity: This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Goat Serum, Rabbit IgG and Rabbit Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Horse, Human, Mouse, Rat and Sheep Serum Proteins.

Immunogen: Rabbit IgG, whole molecule


Note: This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information.