

# Anti-Mouse IgG (H&L) in sheep, biotin conjugate

## Description

Polysciences' anti-Mouse IgG (H&L) in sheep, biotin conjugate, is suitable for immunoblotting, ELISA, immunohistochemistry and immunomicroscopy, as well as other antibody-based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency. We recommend that each investigator determine the actual optimum dilution for a given antibody or antibody conjugate for each specific assay used. Enzyme conjugates of affinity-purified antibodies are supplied with lot-specific recommended dilutions. Products without specifically stated dilutions should be used according to the following information.

<u>Conjugate</u>	<u>ELISA</u>	<u>Blotting</u>	<u>Flow</u>	<u>Tissue</u>
Fluorescein	nd	nd	1:50 - 1:200	1:200 - 1:1000
Rhodamine, Texas Red	nd	nd	1:50 - 1:200	1:200 - 1:1000
Biotin	1:5k - 1:20k	1:3k - 1:10k	nd	1:100 - 1:1000
Peroxidase	1:40k - 1:10k	1:2k - 1:5k	nd	1:200 - 1:2000
Alkaline phosphatase	1:1k - 1:2k	1:500 - 1:1k	nd	1:100 - 1:1000

## Characteristics

Physical State:	Lyophilized
Antibody Concentration:	2.0 mg/ml (by UV absorbance at 280nm)
Label:	Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC)
Biotin/Protein Ratio:	10-20 BAC molecules per Sheep 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
Immunogen:	Mouse IgG whole molecule

## Recommended Dilution(s)

This product has been assayed against 1.0µg of Mouse IgG in a standard capture ELISA using Peroxidase-conjugated Streptavidin and ABTS (2-2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid]) as a substrate for 30 minutes at room temperature. A working dilution of 1:10,000 to 1:50,000 of the reconstitution concentration is suggested for this product. The researcher should determine optimal titers for other applications.

## Purity and Specificity

This product was prepared from monospecific antiserum by immunoaffinity chromatography using Mouse 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-Sheep serum, Mouse IgG and Mouse Serum.

## Storage and Stability

Store at 4°C prior to restoration. Restore with 1.0ml of deionized water (or equivalent). For extended storage, mix product with 50% glycerol 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.

This product is for research use only and is not intended for use in humans or for *in vitro* diagnostic use.

## Ordering Information

Cat. Number	Description	Size
23809-2	Anti-Mouse IgG (H&L) in sheep, biotin conjugate	2mg

### To Order

In The U.S. Call: 1-800-523-2575 • 215-343-6484

In The U.S. FAX: 1-800-343-3291 • 215-343-0214

In Germany Call: (49) 6221-765767

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Order online anytime at [www.polysciences.com](http://www.polysciences.com).