

TECHNICAL DATA SHEET 822

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

Description

Polysciences' anti-Mouse IgG (H&L) in sheep, peroxidase conjugated, is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry, as well as other peroxidase-based enzymatic assays 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:	Horseradish Peroxidase (HRP)
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) Gentamicin Sulfate
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 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 1:45,000 of the reconstituted 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-Rabbit Serum, as well as purified and partially purified Alcohol Dehydrogenase (Yeast). Cross reactivity against anti-Peroxidase, 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, add glycerol to 50% 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
23810-2	Anti-Mouse IgG (H&L) in sheep, peroxidase 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

In Germany FAX: (49) 6221-764620

Order online anytime at www.polysciences.com.