

Corporate Headquarters 400 Valley Road Warrington, PA 18976 1-800-523-2575 FAX 1-800-343-3291 Email: info@polysciences.com www.polysciences.com Europe - Germany Polysciences Europe GmbH Handelsstr. 3 D-69214 Eppelheim, Germany (49) 6221-765767 FAX (49) 6221-764620 Email: info@polysciences.de

#### **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 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-ethylbenthiazoline-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

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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. NumberDescriptionSize23810-2Anti-Mouse IgG (H&L) in sheep, peroxidase conjugate2mg

To Order

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