

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 819**

Page 1 of 2

# 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-ethylbenthiazoline-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 reconsitution 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.

Should any of our materials fail to perform to our specifications, we will be pleased to provide replacements or return the purchase price. We solicit your inquiries concerning all needs for life sciences work. The information given in this bulletin is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.

Page 2 of 2

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

## **Ordering Information**

<b>Cat. Number</b>	<b>Description</b>	<b>Size</b>
23809-2	Anti-Mouse IgG (H&L) in sheep, biotin conjugate	2mg
<b>To Order</b> 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.

Should any of our materials fail to perform to our specifications, we will be pleased to provide replacements or return the purchase price. We solicit your inquiries concerning all needs for life sciences work. The information given in this bulletin is to the best of our knowledge accurate, but no warranty is expressed or implied. It is the user's responsibility to determine the suitability for their own use of the products described herein, and since conditions of use are beyond our control, we disclaim all liability with respect to the use of any material supplied by us. Nothing contained herein shall be construed as a recommendation to use any product or to practice any process in violation of any law or any government regulation.