Order online now!

www.rockland.com
tech@rockland.com
+1 484.791.3823

Datasheet for 610-603-002

Mouse IgG (H&L) Antibody Peroxidase Conjugated

Overview

Description:	Sheep Anti-Mouse IgG (H&L) Antibody Peroxidase Conjugated - 610-603-002
Item No.:	610-603-002
Size:	2 mg
Applications:	ELISA, WB
Reactivity:	Mouse
Host Species:	Sheep

Product Details

Background:	Anti-Mouse IgG whole molecule antibody generated in sheep detects specifically Mouse IgG heavy and light chain. This secondary antibody anti-Mouse is ideal for investigators who routinely perform ELISA, Sandwich ELISA, titration assays, western-blot, immunoprecipitation and more generally immunoassays.
Synonyms:	sheep anti-Mouse IgG heavy and light chain peroxidase conjugated Antibody, sheep anti-Mouse IgG HRP secondary Antibody, sh anti-ms IgG HRP antibody
Host Species:	Sheep
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	0.455

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Anti-Mouse IgG [H&L] was produced by repeated immunization with Mouse IgG whole molecule in sheep.

Purity/Specificity:	Sheep Anti-Mouse IgG[H&L] Peroxidase Conjugated Antibody 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-Peroxidase, anti-Sheep Serum, Mouse IgG and Mouse Serum.

Application Details

Tested Applications:	ELISA
Suggested Applications:	WB (Based on references)
Application Note:	Anti-Mouse IgG Peroxidase Conjugated Antibody has been tested by ELISA and is suitable for immunoblotting (western or dot blot), ELISA, immunoperoxidase electron microscopy and immunohistochemistry as well as other peroxidase-antibody based enzymatic assays requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:20,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:5,000

Formulation

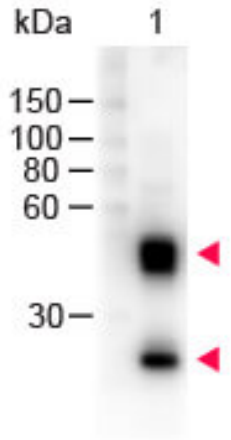
Physical State:	Lyophilized
Concentration:	2 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

Shipping Condition:	Ambient

Storage Condition:	Store vial at 4° C prior to restoration. For extended storage 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:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western Blot of Peroxidase conjugated Sheep anti-Mouse IgG antibody. Lane 1: Mouse IgG. Lane 2: None. Load: 100 ng per lane. Primary antibody: none. Secondary antibody: Peroxidase sheep secondary antibody at 1:1,000 for 60 min at RT. Block: MB-070 for 30 min at RT. Predicted/Observed size: 55 and 28 kDa, 55 and 28 kDa for Mouse IgG. Other band(s): none.

References

- Lathrop SK et al. Vaccination with ancestral SARS-CoV-2 spike adjuvanted with TLR agonists provides cross-protection against XBB.1. *NPJ Viruses.* (2024)
- Eiger DS et al. Phosphorylation barcodes direct biased chemokine signaling at CXCR3. *Cell Chem Biol.* (2023)
- Eiger DS et al. Location bias contributes to functionally selective responses of biased CXCR3 agonists. *Nat Commun.* (2022)
- Duehr et al. Novel Cross-Reactive Monoclonal Antibodies against Ebolavirus Glycoproteins Show Protection in a Murine Challenge Model. *Journal of Virology* (2017)
- Meade et al. Development of an influenza virus protein microarray to measure the humoral response to influenza virus infection in mallards. *Emerging Microbes & Infections* (2017)
- Leung R et al. Rho GTPase techniques in osteoclastogenesis. *Methods Mol Biol.* (2012)
- Leung R et al. Sbds is required for Rac2-mediated monocyte migration and signaling downstream of RANK during osteoclastogenesis. *Blood.* (2011)
- Leung R et al. Filamin A regulates monocyte migration through Rho small GTPases during osteoclastogenesis. *J Bone Miner Res.* (2010)

www.rockland.com
tech@rockland.com
+1 484.791.3823

Disclaimer

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. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.