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

Datasheet for 610-701-124

Mouse IgG (H&L) Antibody Pre-adsorbed

Overview

Description:	Donkey Anti-Mouse IgG (H&L) Antibody (Min X Bv Ch Gt GP Ham Hs Hu Rb Rt & Sh Serum Proteins) - 610-701-124
Item No.:	610-701-124
Size:	1 mg
Applications:	WB
Reactivity:	Mouse
Host Species:	Donkey

Product Details

Background:	Anti-Mouse IgG whole molecule antibody generated in donkey detects specifically Mouse IgG whole molecule . 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:	Donkey anti-Mouse IgG Antibody, Donkey anti-Mouse IgG pre-adsorbed Antibody
Host Species:	Donkey
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Anti-Mouse IgG whole molecule was produced by repeated immunization with Mouse IgG whole molecule in donkey.

Purity/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-Donkey Serum, Mouse IgG and Mouse Serum. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Rabbit, Rat and Sheep Serum Proteins. Specificity was confirmed using ELISA at less than 1.0% cross reactivity against IgG proteins purified from the species listed above.

Application Details

Suggested Applications:	WB (Based on references)
Application Note:	Suitable for immunoblotting (western or dot blot), ELISA, electron microscopy and immunohistochemistry as well as other 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:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

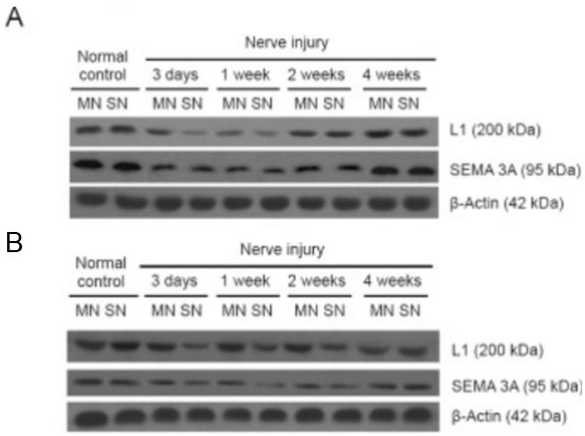
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.0 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) Sodium Azide
Stabilizer:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Western Blot
Western blot assay of L1 and SEMA 3A protein expressions at the proximal end (A) and (B) distal end of injured sensory and motor nerves.
(A) Bands of L1 and SEMA 3A protein expressions at the proximal end of the injured nerves.
(B) Bands of L1 and SEMA 3A protein expressions at the distal end of injured nerves.
Primary antibody mouse monoclonal anti-neural cell adhesion molecule L1 (1:500), rabbit polyclonal anti-semaphorin 3A (1:1,000), and mouse monoclonal to β-actin (1:10,000) at 4°C overnight.
Secondary antibody anti-rabbit IgG (H&L) (DONKEY) antibody (1:5,000) or anti-mouse IgG (H&L) (DONKEY) antibody (1:5,000) at room temperature for 1.5 hours.
Experiments were performed in triplicate. MN: Motor nerves; SN: sensory nerves; L1: nerve cell adhesion molecule L1; SEMA 3A: semaphorin 3A.
Fig 3A, Fig 4A. PMID: 28197202.

References

- He, QR et al. Expression changes of nerve cell adhesion molecules L1 and semaphorin 3A after peripheral nerve injury. *Neural Regeneration Research* (2016)

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.