

Datasheet for 610-703-002**Mouse IgG (H&L) Antibody Peroxidase Conjugated****Overview**

Description:	Donkey Anti-Mouse IgG (H&L) Antibody Peroxidase Conjugated - 610-703-002
Item No.:	610-703-002
Size:	2 mg
Applications:	ELISA, WB, IF
Reactivity:	Mouse
Host Species:	Donkey

Product Details**Background:**

Anti-Mouse IgG (H&L) peroxidase conjugated antibody generated in donkey detects specifically mouse IgG (H&L). Secreted as part of the adaptive immune response by plasma B cells, immunoglobulin G constitutes 75% of serum immunoglobulins. Immunoglobulin G binds to viruses, bacteria, as well as fungi and facilitates their destruction or neutralization via agglutination (and thereby immobilizing them), activation of the complement cascade, and opsonization for phagocytosis. The whole IgG molecule possesses both the F(c) region, recognized by high-affinity Fc receptor proteins, as well as the F(ab) region possessing the epitope-recognition site. Both the Heavy and Light chains of the antibody molecule are present. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. This Anti-Mouse peroxidase conjugated secondary antibody is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays.

Synonyms:	Donkey Anti-Mouse IgG Antibody Peroxidase Conjugation, Donkey Anti-Mouse IgG HRP Conjugated Antibody
Host Species:	Donkey
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Mouse
Immunogen Type:	Native Protein
Immunogen:	Anti-Mouse IgG 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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-peroxidase, anti-Donkey Serum, Mouse IgG and Mouse Serum.
Relevant Links:	• 610-703-002-SDS

Application Details

Tested Applications:	ELISA, WB
Suggested Applications:	IF (Based on references)
Application Note:	Donkey Anti-Mouse IgG HRP Conjugated Antibody has been tested by ELISA and western blot. This antibody is against 1.0 ug of Mouse IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:70,000
IHC:	1:500 - 1:2,500
WB:	1:2,000 to 1:10,000

Formulation

Physical State:	Lyophilized
Concentration:	2.0 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) 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)

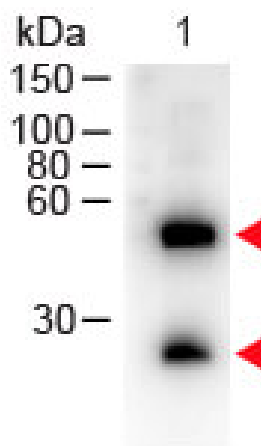
Shipping & Handling

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 Donkey anti-Mouse IgG (H&L) Antibody Peroxidase Conjugated. Lane 1: Mouse IgG. Lane 2: None.
 Load: 50 ng per lane. Primary Antibody: None. Secondary antibody: Mouse IgG (H&L) Antibody Peroxidase Conjugated 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

- Dolan ME et al. Elucidation of Proteoforms of Chinese Hamster Ovary (CHO) Phospholipase B-Like 2 (PLBL2) Captured From a Monoclonal Antibody. *Biotechnol Bioeng.* (2026)
- Chaudhari S et al. Renal TLR-7/TNF- α pathway as a potential female-specific mechanism in the pathogenesis of autoimmune-induced hypertension. *Am J Physiol Heart Circ Physiol.* (2022)
- Hossain D et al. Requirement of NPHP5 in the hierarchical assembly of basal feet associated with basal bodies of primary cilia. *Cell Mol Life Sci.* (2020)
- Hossain D et al. Cep44 functions in centrosome cohesion by stabilizing rootletin. *J Cell Sci.* (2020)
- Romero-Rodriguez A et al. The Clostridioides difficile Cysteine-Rich Exosporium Morphogenetic Protein, CdeC, Exhibits Self-Assembly Properties That Lead to Organized Inclusion Bodies in Escherichia coli. *mSphere.* (2020)
- Lu X et al. 17 β -hydroxysteroid dehydrogenase 4 induces liver cancer proliferation-associated genes via STAT3 activation. *Oncol Rep.* (2019)
- Toots et al. Preventive treatment with liraglutide protects against development of glucose intolerance in a rat model of Wolfram syndrome. *Scientific Reports* (2018)
- Hossain D et al. HIV-1 Vpr hijacks EDD-DYRK2-DDB1DCAF1 to disrupt centrosome homeostasis. *J Biol Chem.* (2018)
- Cruz JM, Hupper N, Wilson LS, et al. Protein kinase A activation inhibits DUX4 gene expression in myotubes from patients with facioscapulohumeral muscular dystrophy. *J Biol Chem.* (2018)

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