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Datasheet for 611-7302

Rabbit IgG (H&L) Antibody Peroxidase Conjugated

Overview

Description:	Donkey Anti-Rabbit IgG (H&L) Antibody Peroxidase Conjugated - 611-7302
Item No.:	611-7302
Size:	2 mg
Applications:	ELISA, WB
Reactivity:	Rabbit
Host Species:	Donkey

Product Details

Background:	Anti-Rabbit IgG (H&L) peroxidase Antibody generated in donkey detects reactivity to Rabbit IgG. 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 compliment cascade, and opsinization 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.
Synonyms:	Donkey anti-Rabbit IgG Peroxidase Conjugated Antibody, Donkey anti-Rabbit IgG Antibody HRP Conjugation
Host Species:	Donkey
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Rabbit
Immunogen Type:	Native Protein
Immunogen:	Anti-Rabbit IgG (H&L) was produced by repeated immunization with rabbit whole IgG molecule in donkey.
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit IgG coupled to agarose beads. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Donkey Serum, Rabbit IgG and Rabbit Serum.

Application Details

Tested Applications:	ELISA, WB
Application Note:	Anti-Rabbit IgG peroxidase conjugated antibody has been tested by ELISA and western blot 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:	1:40,000
IHC:	1:500 - 1:2,000
WB:	1:1,000 - 1:3,000

Formulation

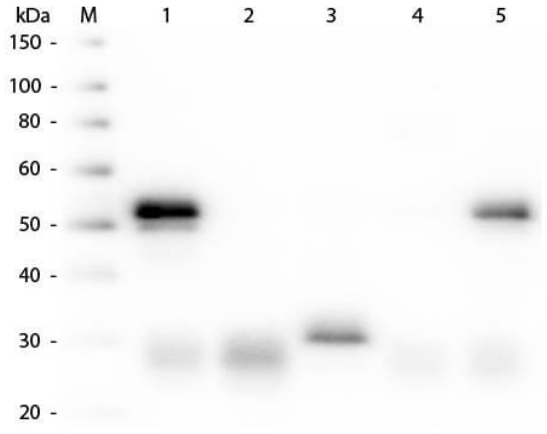
Physical State:	Lyophilized
Concentration:	2.0 mg/mL by UV absorbance at 280 nm
Buffer:	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	0.01% (w/v) Gentamicin Sulfate. Do NOT add Sodium Azide!
Stabilizer:	10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Reconstitution Volume:	1.0 mL
Reconstitution Buffer:	Restore with deionized water (or equivalent)

Shipping & Handling

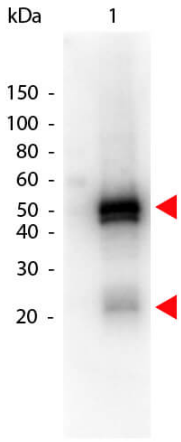
Shipping Condition:	Ambient

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 Anti-Rabbit IgG (H&L) (DONKEY) Antibody Peroxidase Conjugated (p/n 611-7302). Lane M: 3 µl Molecular Ladder. Lane 1: Rabbit IgG whole molecule (p/n 011-0102). Lane 2: Rabbit IgG F(ab) Fragment (p/n 011-0105). Lane 3: Rabbit IgG F(c) Fragment (p/n 010-0103). Lane 4: Rabbit IgM Whole Molecule (p/n 011-0107). Lane 5: Normal Rabbit Serum (p/n B309). All samples were reduced. Load: 50 ng per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Rabbit IgG (H&L) (DONKEY) Antibody Peroxidase Conjugated (p/n 611-7302) 1:5,000 for 60 min at RT. Secondary antibody: None. Predicted/Observed Size: 25 and 50 kDa for Rabbit IgG and Serum, 25 kDa for F(c) and F (ab), 70 and 23 kDa for IgM. Rabbit F(c) migrates slightly higher.



Western Blot
Western Blot of Peroxidase conjugated Donkey anti-Rabbit IgG antibody. Lane 1: Rabbit IgG. Lane 2: none. Load: 50 ng per lane. Primary antibody: none. Secondary antibody: Peroxidase donkey secondary antibody at 1:1,000 for 60 min at RT Block: MB-070 for 30 min RT. Predicted/Observed size: 55 kDa, 28 kDa for Rabbit IgG. Other band(s): none.

References

- Hicks C et al. Identifying common G protein–coupled receptor interacting proteins independent of heterotrimeric G proteins and β-arrestins. *PNAS Nexus.* (2026)
- Gardner J et al. GPCR kinases differentially modulate biased signaling downstream of CXCR3 depending on their subcellular localization. *Sci Signal.* (2024)
- Hicks C et al. ACKR3 Proximity Labeling Identifies Novel G protein- and β-arrestin-independent GPCR Interacting Proteins. *BioRxiv [Preprint].* (2024)
- Eiger DS et al. Phosphorylation barcodes direct biased chemokine signaling at CXCR3. *Cell Chem Biol.* (2023)
- Hörner C et al. A protective measles virus-derived vaccine inducing long-lasting immune responses against influenza A virus H7N9. *NPJ Vaccines.* (2023)
- Sun Y et al. Methionine availability influences essential H3K36me3 dynamics during cell differentiation. *bioRxiv [Preprint].* (2023)
- Papenfuss M et al. Differential maturation and chaperone dependence of the paralogous protein kinases DYRK1A and DYRK1B. *Sci Rep.* (2022)
- Eiger DS et al. Location bias contributes to functionally selective responses of biased CXCR3 agonists. *Nat Commun.* (2022)
- Hossain D et al. Cep44 functions in centrosome cohesion by stabilizing rootletin. *J Cell Sci.* (2020)
- 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)
- Hanauer JR et al. High-affinity DARPin allows targeting of MeV to glioblastoma multiforme in combination with protease targeting without loss of potency. *Mol Ther Oncolytics.* (2019)
- Liu X et al. Acetate production from glucose and coupling to mitochondrial metabolism in mammals. *Cell.* (2018)
- Hossain D et al. HIV-1 Vpr hijacks EDD-DYRK2-DDB1DCAF1 to disrupt centrosome homeostasis. *J Biol Chem.* (2018)
- Liberti et al. A Predictive Model for Selective Targeting of the Warburg Effect through GAPDH Inhibition with a Natural Product. *Cell Metabolism* (2017)
- Wu Q et al. Blocking beta 2-adrenergic receptor inhibits dendrite ramification in a mouse model of Alzheimer's disease. *Neural Regeneration Research* (2017)
- Hu X et al. Resveratrol induces cell cycle arrest and apoptosis in human eosinophils from asthmatic individuals. *Mol Med Rep.* (2016)

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