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Datasheet for 611-1602

Rabbit IgG (H&L) Antibody Biotin Conjugated

Overview

Description:	Goat Anti-Rabbit IgG (H&L) Antibody Biotin Conjugated - 611-1602
Item No.:	611-1602
Size:	2 mg
Applications:	ELISA, IF, IHC
Reactivity:	Rabbit
Host Species:	Goat

Product Details

Background:	Anti-Rabbit IgG (H&L) Biotin Antibody generated in goat 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 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.
Synonyms:	Goat anti-Rabbit IgG Antibody Biotin Conjugation, Goat anti-Rabbit IgG Biotin Conjugated Antibody
Host Species:	Goat
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Rabbit
Immunogen Type:	Native Protein
Immunogen:	Anti-Rabbit IgG whole molecule was produced by repeated immunization with Rabbit IgG whole molecule in goat.
Purity/Specificity:	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rabbit 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-Goat Serum, Rabbit IgG and Rabbit Serum.

Application Details

Tested Applications:	ELISA
Suggested Applications:	IF, IHC (Based on references)
Application Note:	Anti-Rabbit IgG Biotin Antibody has been tested by ELISA and is suitable for use in immunoelectrophoresis, IHC, western-blot, competitive western-blot, ELISA and competitive ELISA assays. Specific conditions for reactivity and signal detection should be optimized by the end user.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:50,000 - 1:200,000
IHC:	1:1,000 - 1:5,000
WB:	1:5,000 - 1:20,000

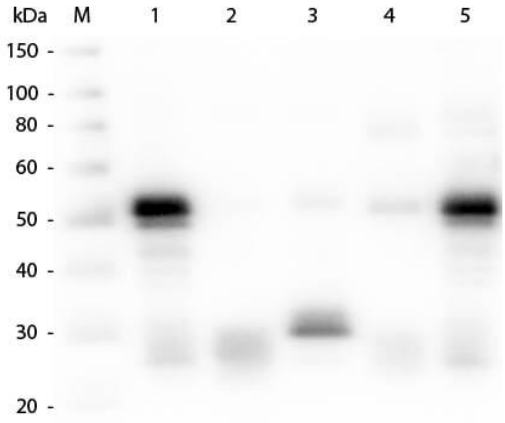
Formulation

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) 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) (GOAT) Antibody (p/n 611-1102). 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) (GOAT) Antibody (p/n 611-1102) 1:1,000 for 60 min at RT. Secondary antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody (p/n CUST10) 1:40,000 in MB-070 for 30 min at RT. 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.

References

- Cuoghi I et al. Immunohistochemical analysis of the distribution of molecules involved in ionic and pH regulation in the lancelet Branchiostoma floridae (Hubbs, 1922). *Acta Histochem.* (2018)
- Histol Histopathol. Long-term type 1 diabetes alters the deposition of collagens and proteoglycans in the early pregnant myometrium of mice. *Favaro RR, Raspantini PR, Salgado RM, Fortes ZB, Zorn TM.* (2015)
- Chen, Y et al. GRK5 promotes F-actin bundling and targets bundles to membrane structures to control neuronal morphogenesis. *The Journal of Cell Biology* (2011)
- Melo-Filho AA et al. Corticosteroids reduce glial fibrillary acidic protein expression in response to spinal cord injury in a fetal rat model of dysraphism. *Pediatr Neurosurg.* (2009)
- Rogerio F et al. Bax and Bcl-2 expression and TUNEL labeling in lumbar enlargement of neonatal rats after sciatic axotomy and melatonin treatment. *Brain Res.* (2006)
- Rogerio F et al. mRNA and protein expression and activities of nitric oxide synthases in the lumbar spinal cord of neonatal rats after sciatic nerve transection and melatonin administration. *Neurosci Lett.* (2006)
- Rogerio F et al. Superoxide dismutase isoforms 1 and 2 in lumbar spinal cord of neonatal rats after sciatic nerve transection and melatonin treatment. *Brain Res Dev Brain Res.* (2005)
- Rogerio F et al. Neuroprotective action of melatonin on neonatal rat motoneurons after sciatic nerve transection. *Brain Res.* (2002)
- Rogerio F et al. Expression of neuronal isoform of nitric oxide synthase in spinal neurons of neonatal rats after sciatic nerve transection. *Neurosci Lett.* (2001)

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