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Datasheet for 605-706-125

Goat IgG (H&L) Antibody Biotin Conjugated Pre-Adsorbed

Overview

Description:	Donkey Anti-Goat IgG (H&L) Antibody Biotin Conjugated (Min X Ch GP Ham Hs Ms Rb & Rt Serum Proteins) - 605-706-125
Item No.:	605-706-125
Size:	1 mg
Applications:	ELISA, IHC, Multiplex, WB
Reactivity:	Goat
Host Species:	Donkey

Product Details

Background:	Anti-Goat IgG Biotin Antibody generated in donkey detects goat 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 heavy and light chains of the antibody molecule are present. Anti-Goat IgG (H&L) Antibody is ideal for researchers in Immunology, Cancer, and Microbiology research.
Synonyms:	donkey anti-Goat IgG Antibody biotin Conjugation, donkey anti-Goat IgG biotin Conjugated Antibody
Host Species:	Donkey
Specificity:	IgG (H&L)
Conjugate:	Biotin
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	10-20

Target Details

Reactivity:	Goat
Immunogen Type:	Native Protein
Immunogen:	Anti-Goat IgG (H&L) was produced by repeated immunization with goat IgG whole molecule in donkey.
Purity/Specificity:	Anti-Goat IgG (H&L) Antibody was prepared from monospecific antiserum by immunoaffinity chromatography using Goat 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-Donkey Serum, Goat IgG and Goat Serum. No reaction was observed against Chicken, Guinea Pig, Horse, Hamster, Mouse, Rabbit and Rat Serum Proteins.

Application Details

Tested Applications:	ELISA
Suggested Applications:	IHC, Multiplex, WB (Based on references)
Application Note:	Goat IgG Biotin Conjugated Antibody has been tested by ELISA and is suitable for immunoblotting, ELISA, immunohistochemistry, immunomicroscopy as well as other antibody based assays using streptavidin or avidin conjugates requiring lot-to-lot consistency.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:600,000
IHC:	1:1,000 - 1:5,000
WB:	1:60,000

Formulation

Physical State:	Lyophilized
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:	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.

References

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- Tong et al. Monocyte Trafficking, Engraftment, and Delivery of Nanoparticles and an Exogenous Gene into the Acutely Inflamed Brain Tissue - Evaluations on Monocyte-Based Delivery System for the Central Nervous System. *PLOS One* (2016)
- He et al. MicroRNA-351 inhibits denervation-induced muscle atrophy by targeting TRAF6. *Experimental and Therapeutic Medicine* (2016)

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