

Datasheet for 605-700-125**Goat IgG (H&L) Antibody Rhodamine Conjugated Pre-Adsorbed****Overview**

Description:	Donkey Anti-Goat IgG (H&L) Antibody Rhodamine Conjugated (Min X Ch GP Ham Hs Ms Rb & Rt Serum Proteins) - 605-700-125
Item No.:	605-700-125
Size:	1 mg
Applications:	WB, IF, Multiplex
Reactivity:	Goat
Host Species:	Donkey

Product Details

Background:	Anti-Goat IgG Rhodamine 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 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 heavy and light chains of the antibody molecule are present.
Synonyms:	Donkey anti-Goat IgG Antibody Rhodamine conjugation, Donkey anti-Goat IgG TRITC conjugated antibody
Host Species:	Donkey
Specificity:	IgG (H&L)
Conjugate:	Rhodamine (TRITC)
Clonality:	Polyclonal
Format:	IgG
F/P Ratio:	3.7

Target Details

Reactivity:	Goat
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Immunogen:	Goat IgG whole molecule
Purity/Specificity:	This product 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-Donkey Serum, Goat IgG and Goat Serum. No reaction was observed against Chicken, Guinea Pig, Hamster, Horse, Mouse, Rabbit and Rat Serum Proteins.

Application Details

Tested Applications:	WB
Suggested Applications:	IF, Multiplex (Based on references)
Application Note:	Anti-Goat IgG Rhodamine Antibody has been tested by Western Blot. This product is designed for immunofluorescence microscopy, fluorescence based plate assays (FLISA) and fluorescent western blotting. This product is also suitable for multiplex analysis, including multicolor imaging, utilizing various commercial platforms.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
FC:	1:500 - 1:2,500
FLISA:	1:10,000 - 1:50,000
IF:	1:1,000 - 1:5,000

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
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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

- Javkar T et al. Slow cycling intestinal stem cell and Paneth cell responses to *Trichinella spiralis* infection. *Parasitol Int.* (2020)
- Hughes KR et al. Heterogeneity in histone 2B-green fluorescent protein-retaining putative small intestinal stem cells at cell position 4 and their absence in the colon. *Am J Physiol Gastrointest Liver Physiol.* (2012)
- Bauer B et al. AKT1/PKB α is recruited to lipid rafts and activated downstream of PKC isotypes in CD3-induced T cell signaling. *FEBS Lett.* (2003)

Disclaimer

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