

Datasheet for 605-701-125**Goat IgG (H&L) Antibody Pre-Adsorbed****Overview**

Description:	Donkey Anti-Goat IgG (H&L) Antibody (Min X Ch GP Ham Hs Ms Rb & Rt Serum Proteins) - 605-701-125
Item No.:	605-701-125
Size:	1 mg
Applications:	ELISA, Biochemical Assay, IP
Reactivity:	Goat
Host Species:	Donkey

Product Details

Background:	Anti-Goat IgG 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 pre-adsorbed
Host Species:	Donkey
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Goat
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 or Rat Serum Proteins. Specificity was confirmed using ELISA minimal cross reactivity against the targets stated above.
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Application Details

Tested Applications:	ELISA
Suggested Applications:	Biochemical Assay, IP (Based on references)
Application Note:	Anti-Goat IgG antibody has been tested by ELISA and is suitable for western blot and immunohistochemistry, as well as other 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:	1:150,000 - 1:250,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

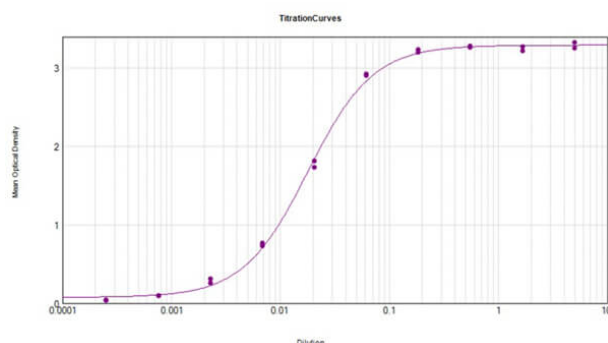
Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.07 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:	None

Shipping & Handling

Shipping Condition:	Wet Ice
Storage Condition:	Store vial at 4° C prior to opening. This product is stable for several weeks at 4° C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



ELISA

ELISA Results of Donkey Anti-Goat IgG Antibody (Min X Ch GP Ham Hs Ms Rb Rt Serum proteins) tested against purified Goat IgG MX7. Each well was coated in duplicate with 1.0 µg of Goat IgG (p/n 005-0102) as well as Chicken IgG (p/n 003-0102), Guinea Pig IgG (p/n 006-0102), Hamster IgG (p/n 007-0102), Horse IgG (p/n 008-0102), Mouse IgG (p/n 010-0102), Rabbit IgG (p/n 011-0102), and Rat IgG (p/n 012-0102). The working dilution is 1:56,000. The starting dilution of antibody was 5µg/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using HRP Conjugate Stabilizer (p/n MB-076), Goat Anti-Donkey IgG Mx7 HRP conjugated and TMB substrate (p/n TMBE-1000).

References

- Jain A et al. Single-molecule pull-down for studying protein interactions. *Nat Protoc.* (2012)

Disclaimer

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