

Datasheet for 605-4113**Goat IgG (H&L) Antibody Pre-Adsorbed****Overview**

Description:	Rabbit Anti-Goat IgG (H&L) Antibody (Min X Human Serum Proteins) - 605-4113
Item No.:	605-4113
Size:	1.5 mg
Applications:	ELISA, Microarray, Other
Reactivity:	Goat
Host Species:	Rabbit

Product Details

Background:	Anti-Goat IgG Antibody generated in rabbit 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.
Synonyms:	rabbit anti-goat IgG min cross human, rabbit anti-goat IgG pre-adsorbed antibody
Host Species:	Rabbit
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-Rabbit Serum, Goat IgG and Goat Serum. No reaction was observed against Human Serum Proteins.

Relevant Links: • [605-4113 SDS](#)

Application Details

Tested Applications:	ELISA
Suggested Applications:	Microarray, Other (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:	1:20,000 - 1:100,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:10,000

Formulation

Physical State:	Liquid (sterile filtered)
Concentration:	1.53 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.

References

- Peter H et al. Lab-on-a-Chip Proteomic Assays for Psychiatric Disorders. *Adv Exp Med Biol.* (2017)

Disclaimer

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