

Datasheet for 105-3102**Goat IgG (H&L) Antibody****Overview**

Description:	Mouse Anti-Goat IgG (H&L) Antibody - 105-3102
Item No.:	105-3102
Size:	2 mL
Applications:	ELISA
Reactivity:	Goat
Host Species:	Mouse

Product Details

Background:	Anti-Goat IgG Antibody generated in mice 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:	mouse anti-goat IgG antibody, mouse anti goat IgG
Host Species:	Mouse
Specificity:	IgG (H&L)
Clonality:	Polyclonal
Format:	Antiserum

Target Details

Reactivity:	Goat
Immunogen:	Goat IgG whole molecule
Purity/Specificity:	This product was prepared from monospecific ascites by a delipidation and defibrination. Assay by immunoelectrophoresis resulted in a single precipitin arc against Goat IgG and Goat Serum.

Application Details

Suggested Applications:	ELISA (Based on references)
Application Note:	Secondary antibody reagents are ideal for ELISA, western blotting, Immunohistochemistry, Fluorescence Microscopy, Flow Cytometry as well as other antibody detection methods.
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

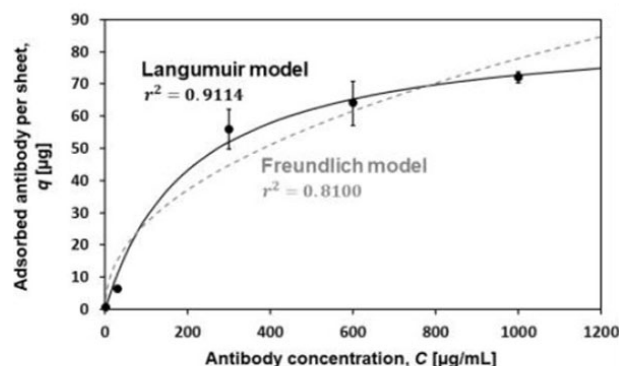
Formulation

Physical State:	Lyophilized
Concentration:	35.0 mg/mL by Refractometry
Buffer:	0.01 M Sodium Phosphate, 0.15 M Sodium Chloride, pH 7.2
Preservative:	None
Stabilizer:	None
Reconstitution Volume:	2.0 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



ELISA

Quantitative evaluation of the antibody captured on the CA/PVA + PA NF based on the Langmuir adsorption model (black solid line) and Freundlich model (gray dotted line). (n = 3). Target antibody Mouse Anti-Goat IgG (p/n 105-3102). Figure 7. PMID: 34576021.

References

- Naganuma C et al. One-Step Surface Immobilization of Protein A on Hydrogel Nanofibers by Core-Shell Electrospinning for Capturing Antibodies. *Int J Mol Sci.* (2021)

Disclaimer

This product is for research use only and is not intended for therapeutic or diagnostic applications. Please contact a technical service representative for more information. All products of animal origin manufactured by Rockland Immunochemicals are derived from starting materials of North American origin. Collection was performed in United States Department of Agriculture (USDA) inspected facilities and all materials have been inspected and certified to be free of disease and suitable for exportation. All properties listed are typical characteristics and are not specifications. All suggestions and data are offered in good faith but without guarantee as conditions and methods of use of our products are beyond our control. All claims must be made within 30 days following the date of delivery. The prospective user must determine the suitability of our materials before adopting them on a commercial scale. Suggested uses of our products are not recommendations to use our products in violation of any patent or as a license under any patent of Rockland Immunochemicals, Inc. If you require a commercial license to use this material and do not have one, then return this material, unopened to: Rockland Inc., P.O. BOX 5199, Limerick, Pennsylvania, USA.