

Datasheet for 605-403-B69**Goat IgG (H&L) Antibody Peroxidase Conjugated Pre-Adsorbed****Overview**

Description:	Rabbit Anti-Goat IgG (H&L) Antibody Peroxidase Conjugated (Min X to Ms Rt & Hu Serum Proteins) - 605-403-B69
Item No.:	605-403-B69
Size:	1 mg
Applications:	ELISA, Other
Reactivity:	Goat
Host Species:	Rabbit

Product Details

Background:	Anti-Goat IgG generated in rabbit detects goat Immunoglobulin G. It is a protein complex composed of four peptide chains — two identical heavy chains and two identical light chains arranged in a Y-shape typical of antibody monomers. Each IgG has two antigen binding sites. Representing approximately 75% of serum immunoglobulins, IgG is the most abundant antibody isotype found in the circulation. IgG molecules are synthesized and secreted by plasma B cells. Secondary Antibodies are available in a variety of formats and conjugate types. When choosing a secondary antibody product, consideration must be given to species and immunoglobulin specificity, conjugate type, fragment and chain specificity, level of cross-reactivity, and host-species source and fragment composition. Anti-Goat IgG Antibody Pre-Adsorbed is conjugated to horseradish peroxidase.
Synonyms:	rabbit anti-goat IgG Peroxidase Conjugated, rabbit anti-Goat IgG HRP Conjugated antibody
Host Species:	Rabbit
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

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-Peroxidase, anti-Rabbit Serum, Goat IgG and Goat Serum. No reaction was observed against Mouse, Rat or Human serum proteins.

Application Details

Tested Applications:	ELISA
Suggested Applications:	Other (Based on references)
Application Note:	Anti-Goat IgG Pre-Adsorbed Antibody Peroxidase conjugated has been tested by ELISA and is suitable for western blot or dot blot, ELISA and immunohistochemistry, immunoperoxidase electron microscopy and as well as other enzymatic 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:	1:120,000
IHC:	1:1,000 - 1:5,000
WB:	1:2,000 - 1:20,000

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) Gentamicin Sulfate. Do NOT add 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)

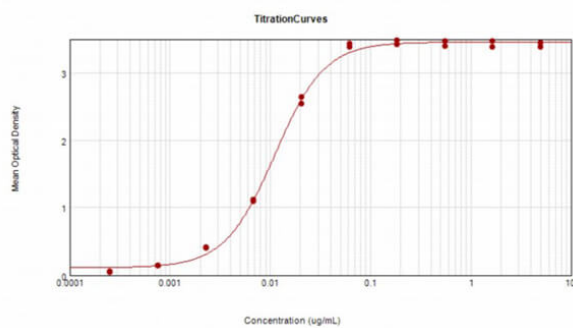
Shipping & Handling

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.

Images



ELISA

ELISA Results of Rabbit Anti-Goat IgG mx3 Antibody Peroxidase Conjugated. Each well was coated in duplicate with 10 µg of Goat IgG (p/n 005-0102). The working dilution of Goat IgG mx3 HRP is 1:91,000. 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 3% Fish Gel/PBS Blocking buffer (p/n MB-066), Goat IgG mx3 HRP conjugated and TMB substrate (p/n TMBE-1000).

References

- de Jong R et al. ChAd155-RSV vaccine is immunogenic and efficacious against bovine RSV infection-induced disease in young calves. *Nat Commun.* (2022)

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.