

Datasheet for 605-9302**Goat IgG (H&L) Antibody Peroxidase Conjugated****Overview**

Description:	Chicken Anti-Goat IgG (H&L) Antibody Peroxidase Conjugated - 605-9302
Item No.:	605-9302
Size:	1 mg
Applications:	ELISA, WB
Reactivity:	Goat
Host Species:	Chicken

Product Details

Background:	Anti-Goat IgG Peroxidase Antibody generated in chicken 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:	Chicken anti-Goat IgG Antibody Peroxidase Conjugation, Chicken anti-Goat IgG HRP Conjugated Antibody
Host Species:	Chicken
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
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. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Chicken Serum, Goat IgG and Goat Serum.
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Application Details

Tested Applications:	ELISA
Suggested Applications:	WB (Based on references)
Application Note:	Anti-Goat IgG Peroxidase Antibody has been tested by ELISA and is assayed against 1.0 ug of Goat IgG in a standard capture ELISA using TMB as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:10,000 is suggested for this product.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:100 - 1:500

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
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

- Tarassishin L et al. Interleukin-1-induced changes in the glioblastoma secretome suggest its role in tumor progression. *Journal of Proteomics* (2014)

Disclaimer

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