

Datasheet for 612-9302**Rat IgG (H&L) Antibody Peroxidase Conjugated****Overview**

Description:	Chicken Anti-Rat IgG (H&L) Antibody Peroxidase Conjugated - 612-9302
Item No.:	612-9302
Size:	1 mg
Applications:	ELISA
Reactivity:	Rat
Host Species:	Chicken

Product Details

Background:	RAT IgG Antibody, Peroxidase Conjugated, is specific for the heavy and light chains of all subclasses of Rat immunoglobulin G. Rat immunoglobulin G can be categorized into 4 IgG sub classes: IgG1, IgG2a, IgG2b, IgG2c.
Synonyms:	Chicken Anti-Rat IgG peroxidase Conjugated Antibody, Chicken Anti-Rat IgG Antibody HRP Conjugation
Host Species:	Chicken
Specificity:	IgG (H&L)
Conjugate:	Peroxidase (HRP)
Clonality:	Polyclonal
Format:	IgG

Target Details

Reactivity:	Rat
Immunogen:	Rat IgG whole molecule
Purity/Specificity:	Anti-RAT IgG antibody, Peroxidase Conjugate, was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Peroxidase, anti-Chicken Serum, Rat IgG and Rat Serum.

Application Details

Tested Applications:	ELISA
Application Note:	Anti-RAT IgG Peroxidase Conjugated antibody has been tested by ELISA and is assayed against 1.0 ug of Rat IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenzothiazoline-6-sulfonic acid] substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:12,000 of the reconstitution concentration is suggested for this product. Optimal concentration in other immunoassays should be determined by researcher.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
ELISA:	1:10,000 - 1:100,000
IHC:	1:500 - 1:2,500
WB:	1:1,000 - 1:10,000

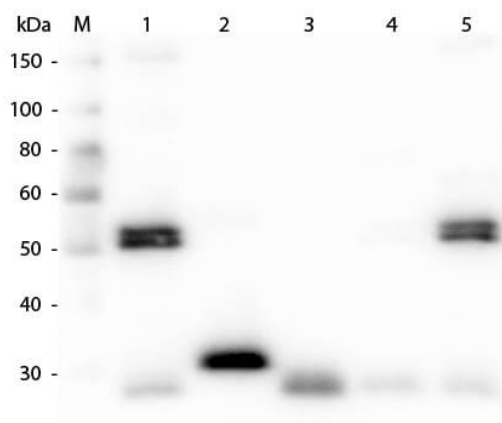
Formulation

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
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



Western Blot

Western Blot of Anti-Rat IgG (H&L) (CHICKEN) Antibody (p/n 612-9102). Lane M: 3 μ l Molecular Ladder. Lane 1: Rat IgG whole molecule (p/n 012-0102). Lane 2: Rat IgG F(c) Fragment (p/n 012-0103). Lane 3: Rat IgG Fab Fragment (p/n 012-0105). Lane 4: Rat IgM Whole Molecule (p/n 012-0107). Lane 5: Rat Serum (p/n D310-05). All samples were reduced. Load: 50 ng per lane. Block: MB-070 for 30 min at RT. Primary Antibody: Anti-Rat IgG (H&L) (CHICKEN) Antibody (p/n 612-9102) 1:1,000 for 60 min at RT. Secondary Antibody: Anti-Chicken IgG (GOAT) Peroxidase Conjugated Antibody (p/n 603-103-126) 1:40,000 in MB-070 for 30 min at RT. Predicted/Observed Size: 25 and 55 kDa for Rat IgG and Serum, 25 kDa for F(c) and Fab, 78 and 25 kDa for IgM. Rat F(c) migrates slightly higher.

Disclaimer

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