

**Datasheet for 612-4126****Rat IgG (H&L) Antibody Pre-adsorbed****Overview**

<b>Description:</b>	Rabbit Anti-Rat IgG (H&L) Antibody (Min X Human Serum Proteins) - 612-4126
<b>Item No.:</b>	612-4126
<b>Size:</b>	2 mg
<b>Applications:</b>	ELISA, WB
<b>Reactivity:</b>	Rat
<b>Host Species:</b>	Rabbit

**Product Details**

<b>Background:</b>	Anti-Rat IgG (H&L) antibody generated in rabbit detects specifically rat IgG (H&L). This secondary antibody anti-Rat is ideal for investigators who routinely perform titration assays, western-blot, immunoprecipitation and more generally immunoassays.
<b>Synonyms:</b>	rabbit anti-Rat IgG (H&L) Antibody, Rabbit-a-Rat IgG (H&L), Rat IgG Antibody in rabbit, anti-Rat IgG Secondary Antibody
<b>Host Species:</b>	Rabbit
<b>Specificity:</b>	IgG (H&L)
<b>Clonality:</b>	Polyclonal
<b>Format:</b>	IgG

**Target Details**

<b>Reactivity:</b>	Rat
<b>Immunogen:</b>	Anti-Rat IgG (H&L) was produced by repeated immunization with rat IgG whole molecule in rabbit
<b>Purity/Specificity:</b>	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat 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, Rat IgG and Rat Serum. No reaction was observed against Human Serum Proteins.

## Application Details

<b>Tested Applications:</b>	ELISA, WB
<b>Application Note:</b>	Anti-Rat IgG has been tested by ELISA and western blot and has been assayed against 1.0 ug of Rat IgG in a standard capture ELISA using ABTS (2,2'-azino-bis-[3-ethylbenthiiazoline-6-sulfonic acid]) code # ABTS-100 as a substrate for 30 minutes at room temperature. A working dilution of 1:2,000 to 1:8,000 of the reconstitution concentration is suggested for this product.
<b>Assay Dilutions:</b>	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
<b>ELISA:</b>	1:20,000 - 1:300,000
<b>IHC:</b>	1:1,000-1:5,000
<b>WB:</b>	1:2,000-1:10,000

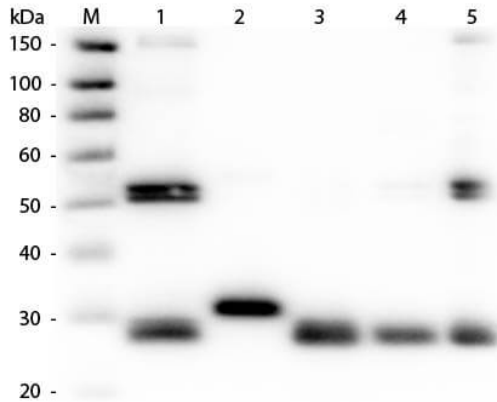
## Formulation

<b>Physical State:</b>	Liquid (sterile filtered)
<b>Concentration:</b>	2.2 mg/mL by UV absorbance at 280 nm
<b>Buffer:</b>	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2
<b>Preservative:</b>	0.01% (w/v) Sodium Azide
<b>Stabilizer:</b>	None

## Shipping & Handling

<b>Shipping Condition:</b>	Wet Ice
<b>Storage Condition:</b>	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.
<b>Expiration:</b>	Expiration date is one (1) year from date of receipt.

## Images



#### Western Blot

Western Blot of Anti-Rat IgG (H&L) (RABBIT) Antibody (Min X Human Serum Proteins) (p/n 612-4126). Lane M: 3  $\mu$ 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) (RABBIT) Antibody (Min X Human Serum Proteins) (p/n 612-4126) 1:1,000 for 60 min at RT. Secondary Antibody: Anti-Rabbit IgG (GOAT) Peroxidase Conjugated Antibody (p/n 611-103-122) 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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