

Product Datasheet

Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) NB120-7092

Unit Size: 1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NB120-7092

Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)

Product Information	
Unit Size	1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Polyclonal
Preservative	0.01% Sodium Azide
Isotype	IgG
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

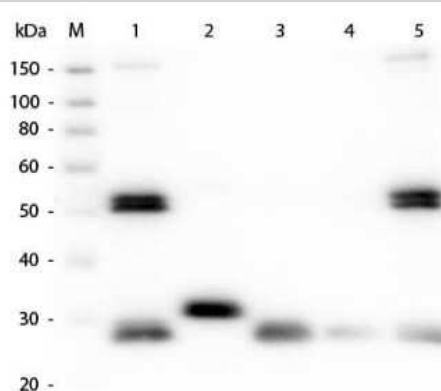
Product Description	
Description	This product was prepared from monospecific antiserum by immunoaffinity chromatography using Rat IgG coupled to agarose beads followed by solid phase adsorption(s) to remove any unwanted reactivities. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Goat Serum, Rat IgG and Rat Serum Store vial at 4C prior to opening. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing.
Host	Goat
Species	Rat
Specificity/Sensitivity	This antibody was pre-adsorbed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit, and Sheep Serum Proteins. No reaction was observed against Bovine, Chicken, Goat, Guinea Pig, Hamster, Horse, Human, Mouse, Rabbit and Sheep Serum Proteins.
Immunogen	Rat IgG whole molecule

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Flow Cytometry, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000 - 1:4000, Flow Cytometry, ELISA 1:10000 - 1:40000, Immunohistochemistry 1:500 - 1:2000, Dot Blot
Application Notes	This product has been tested by ELISA and western blot and is suitable for ELISA, western blot, and immunohistochemistry, as well as other assays requiring lot-to-lot consistency. Specific conditions should be optimized by user. Use in Flow Cytometry was reported in the scientific literature (PMID: 2841832).



Images

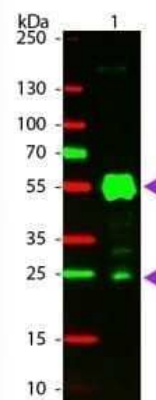
Western Blot: Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NB120-7092] - Western Blot of Goat anti-Rat IgG (H+L) Secondary antibody (Pre-adsorbed). Lane M: 3 ul Molecular Ladder. Lane 1: Rat IgG whole molecule. Lane 2: Rat IgG F(c) Fragment. Lane 3: Rat IgG Fab Fragment. Lane 4: Rat IgM Whole Molecule. Lane 5: Rat Serum. All samples were reduced. Load: 50 ng per lane. Block for 30 min at RT. Primary Antibody: Goat anti-Rat IgG (H+L) Secondary antibody (Pre-adsorbed) 1:1,000 for 60 min at RT. Secondary Antibody: Anti-Goat IgG (DONKEY) Peroxidase Conjugated Antibody 1:40,000 in blocking buffer for 30 min at RT. Predicted/Obsevered 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.



Western Blot: Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NB120-7092] - tubulin was detected using a Dye Light 680 conjugate. Anti-TNF α was detected using a Dye Light 800 conjugate.



Western Blot: Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NB120-7092] - Western blot of CY3 Conjugated Goat Anti-Rat IgG Pre-Adsorbed secondary antibody. Lane 1: Rat IgG. Lane 2: None. Load: 50 ng per lane. Primary antibody: None. Secondary antibody: CY3 goat secondary antibody at 1:1,000 for 60 min at RT. Blocking: for 30 min at RT. Predicted/Observed size: 25,55 kDa, 25, 55 kDa for Rat IgG. Other band(s): Rat IgG splice variants and isoforms." Image using the Cy3 form of this antibody.



Dot Blot: Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed) [NB120-7092] - Dot Blot of Goat anti-Rat IgG (H+L) Secondary Antibody [Alkaline Phosphatase] (Pre-adsorbed).

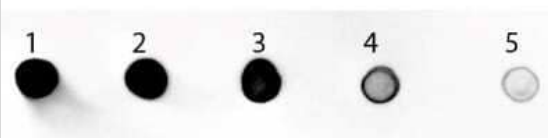
Antigen: Rat IgG

Load: 1 ug

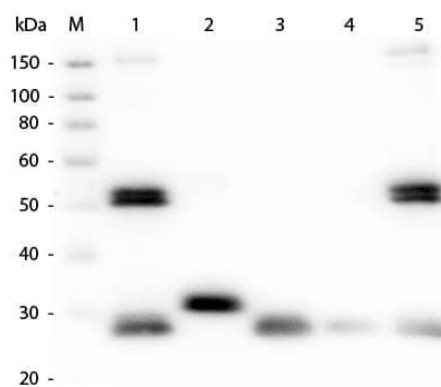
Primary antibody: Goat anti-Rat IgG (H+L) Secondary Antibody [Alkaline Phosphatase] (Pre-adsorbed) 1:1000 in Fluorescent blocking buffer for 60 min at RT.

Alkaline Phosphatase Substrate Neat for 30 seconds at RT.

Block: Fluorescent blocking buffer for 60 min at RT.. Using the Alkaline Phosphatase format of this antibody.



Western Blot of Goat anti-Rat IgG (H+L) Secondary Antibody (Pre-adsorbed)



Publications

Park CG, Rodriguez A, Steinman RM. PE-Cy5.5 conjugates bind to the cells expressing mouse DEC205/CD205 J Immunol Methods 2012-07-31 [PMID: 22841832] (FLOW)





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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Secondary Antibodies are guaranteed for 1 year from date of receipt.

For more information on our 100% guarantee, please visit www.novusbio.com/guarantee

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