

Product Datasheet

Goat anti-Rat IgG (H+L) Secondary Antibody [Alkaline Phosphatase] (Pre-adsorbed) NB7601

Unit Size: 0.1 mg

Store at 4C. Do not freeze.

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NB7601

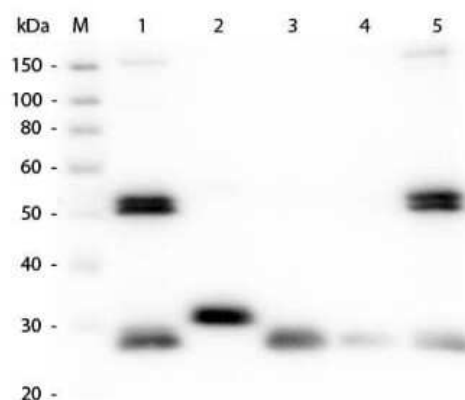
Goat anti-Rat IgG (H+L) Secondary Antibody [Alkaline Phosphatase] (Pre-adsorbed)

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C. Do not freeze.
Clonality	Polyclonal
Preservative	0.1% Sodium Azide
Isotype	IgG
Conjugate	Alkaline Phosphatase
Purity	Multi-step
Buffer	0.05 M Tris Chloride, 0.15M Sodium Chloride, 0.001M Magnesium Chloride, 0.0001M Zinc Chloride, 50% (v/v) Glycerol; pH 8.0, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free
Product Description	
Description	Store vial at 4C before opening. DO NOT FREEZE. This product is stable at 4C as an undiluted liquid. Dilute only prior to immediate use. Freezing alkaline phosphatase conjugates will result in a substantial loss of enzymatic activity. 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-Alkaline Phosphatase (calf intestine), anti-Goat Serum, Rat IgG and Rat Serum
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	Goat anti-Rat IgG (H+L) Secondary Antibody [Alkaline Phosphatase] (Pre-adsorbed) was produced by repeated immunization with Rat IgG whole molecule in goat.
Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Immunohistochemistry
Recommended Dilutions	Western Blot 1:500 - 1:1500, ELISA 1:1000 - 1:13000, Immunohistochemistry 1:200 - 1:1000, Dot Blot
Application Notes	This product has been tested by ELISA and dot blot and is suitable for immunoblotting (western or dot blot), ELISA, and immunohistochemistry assays requiring lot-to-lot consistency.



Images

Western Blot: Goat anti-Rat IgG (H+L) Secondary Antibody [Alkaline Phosphatase] (Pre-adsorbed) [NB7601] - Western Blot of Goat anti-Rat IgG (H+L) Secondary antibody [Alkaline Phosphatase] (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 [Alkaline Phosphatase] (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.



Dot Blot: Goat anti-Rat IgG (H+L) Secondary Antibody [Alkaline Phosphatase] (Pre-adsorbed) [NB7601] - Dot Blot of Goat anti-Rat IgG (H+L) Secondary antibody [Alkaline Phosphatase] (Pre-adsorbed). Antigen: Rat IgG. Blot loaded at 3 fold dilution: 1. 100ng, 2. 33.3ng, 3. 11.1ng, 4. 3.70ng, 5. 1.23ng. Antibody: Goat anti-Rat IgG (H+L) Secondary antibody [Alkaline Phosphatase] (Pre-adsorbed) 1:1,000 in blocking buffer for 60 min at RT. Alkaline Phosphatase Substrate NBT-100 Neat for 30 seconds at RT. Block for 60 min at RT.





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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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