

Product Datasheet

Human IgG Isotype Control

NBP1-97043

Unit Size: 10 mg

Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.

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NBP1-97043

Human IgG Isotype Control

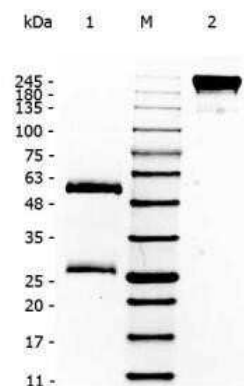
Product Information	
Unit Size	10 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 1.0 ml deionized water (or equivalent).
Isotype	IgG
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	<p>This product was prepared from normal human serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human IgG and anti-Human Serum.</p> <p>Store at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C 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 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>No test method can provide total assurance that the hepatitis B virus, hepatitis C virus, human immunodeficiency virus, or any other infectious agents are absent. Thus, all blood products, including purified proteins derived from human blood sources, should be handled at Biosafety Level 2 as recommended by the CDC \NIH manual entitled Biosafety in Microbiological and Biomedical Laboratories for potentially infectious human serum, blood specimens or proteins derived from same. Source material for the human blood product supplied to your facility has been tested for the detection of HIV antibody, Hepatitis B surface antigen, antibody to Hepatitis C, HIV 1 antigen(s), antibody to HTLV - I/II, and syphilis by FDA guidelines. All units were found to be non-reactive/negative for these tests. All human blood source material is collected in FDA licensed centers and is tested with FDA approved test kits.</p>
Host	Human
Gene ID	3500
Gene Symbol	IGHG1
Species	Human

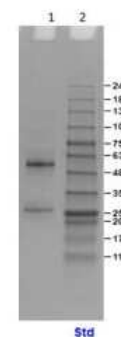
Product Application Details	
Applications	Western Blot, ELISA, Flow Cytometry, SDS-Page
Recommended Dilutions	Western Blot 1:1000 - 1:5000, Flow Cytometry 1:500, ELISA 1:10000 - 1:50000, SDS-Page
Application Notes	This isotype control can be utilized as a control or standard reagent in Western Blotting, Flow, and ELISA experiments.

Images

Western Blot: Human IgG Isotype Control [NBP1-97043] - SDS-PAGE of Human IgG. Lane 1: Reduced Human IgG. Lane 2: 5uL OPAL Pre-stained Marker Lane 3: Non-reduced Human IgG. Load: 1ug per lane. Predicted/Observed size: Non-reduced at 180-245 kDa, Reduced at 55, 25 kDa.



SDS-Page: Human IgG Isotype Control [NBP1-97043] - SDS-PAGE of Human IgG Isotype control. Lane 1: Reduced Human IgG Isotype control. Lane 2: 5uL OPAL Pre-stained Marker. Load: 1ug per lane. Predicted/Observed size: Non-reduced at 180-245 kDa , Reduced at 55, 25 kDa.



Publications

Waterman HR, Dufort MJ, Posso SE et al. Lupus IgA1 autoantibodies synergize with IgG to enhance pDC responses to RNA-containing immune complexes bioRxiv 2023-09-12 [PMID: 37745328]

Egia-Mendikute L, Bosch A, Prieto-Fernandez E Et al. Sensitive detection of SARS-CoV-2 seroconversion by flow cytometry reveals the presence of nucleoprotein-reactive antibodies in unexposed individuals Commun Biol 2021-04-21 [PMID: 33879833]

Details:

Citation using the Biotin version of this antibody.

Kim Y, Lee SH, Kim CJ et al. Canine non-B, non-T NK lymphocytes have a potential antibody-dependent cellular cytotoxicity function against antibody-coated tumor cells BMC Vet Res 2019-10-14 [PMID: 31610784] (Cellular fractionation)

Wischhusen JC, Wilson KE In Vivo Immunofluorescence Localization for Assessment of Therapeutic and Diagnostic Antibody Biodistribution in Cancer Research J Vis Exp 2019-10-01 [PMID: 31566607]

Okubo K, Brenner MD, Cullere X et al. Inhibitory affinity modulation of FcγRIIA ligand binding by glycosphingolipids by inside-out signaling Cell Rep 2021-05-19 [PMID: 34010642]

Details:

Citation using the Biotin format of this antibody.

Wischhusen J, Wilson k, Delcros J et al. Ultrasound molecular imaging as a non-invasive companion diagnostic for netrin-1 interference therapy in breast cancer. Theranostics. 2018-10-25 [PMID: 30429890] (In Vivo, Human)



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Products Related to NBP1-97043

NBP1-99014-100ug	Recombinant Mouse IgG His Protein
NB200-540	Complement C3 Antibody (11H9) - BSA Free
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]
NBP2-29373-100Tests	Annexin V Apoptosis Kit [FITC]

Limitations

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

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