

Product Datasheet

Human IgG Isotype Control [Biotin] NBP1-96855

Unit Size: 1 mg

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

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NBP1-96855

Human IgG Isotype Control [Biotin]

Product Information	
Unit Size	1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. 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
Conjugate	Biotin
Purity	Multi-step
Buffer	Lyophilized from 0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2, 10 mg/mL Bovine Serum Albumin (BSA) - Immunoglobulin and Protease free

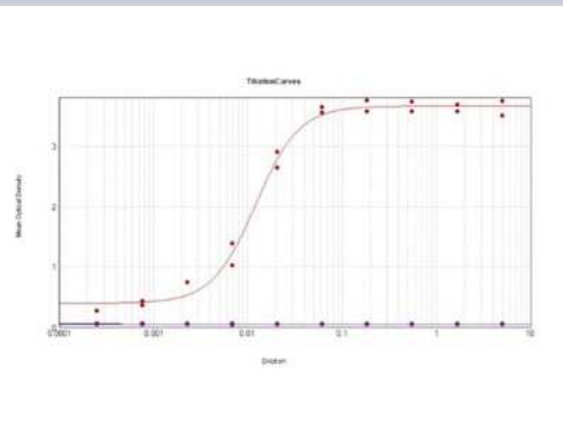
Product Description	
Description	<p>Store vial at 4C prior to restoration. For extended storage aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing. Centrifuge product if not completely clear after standing at room temperature. This product is stable for several weeks at 4C as an undiluted liquid. Dilute only prior to immediate use.</p> <p>This product was prepared from normal serum delipidation, salt fractionation, ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-biotin, anti-Human IgG and anti-Human Serum.</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, Immunohistochemistry
Recommended Dilutions	Western Blot 1:1000, ELISA 1:5000 - 1:50000, Immunohistochemistry 1:500
Application Notes	This isotype control can be utilized as a control reagent in both Western Blotting and ELISA format experiments.



Images

ELISA: Human IgG Isotype Control [Biotin] [NBP1-96855] - ELISA Results of Human IgG isotype control [Biotin]. Each well was coated in duplicate with 1.0 ug of Human IgG Whole Molecule Biotin Conjugate. The working dilution is 82,800. The starting dilution of antibody was 5ug/ml and the X-axis represents the Log10 of a 3-fold dilution. This titration is a 4-parameter curve fit where the IC50 is defined as the titer of the antibody. Assay performed using Streptavidin-HRP and TMB substrate.



Publications

Tomás Dias, Ricardo Figueiras, Susana Vagueiro, Renato Domingues, Yu-Hsien Hung, Jagriti Sethi, Elnaz Persia, Pierre Arsène An electro-optical platform for the ultrasensitive detection of small extracellular vesicle sub-types and their protein epitope counts *iScience* 2024-04-30 [PMID: 38840839]

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.

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.

Prapan A Fabrication and characterization of hemoglobin based oxygen carriers Thesis 2020-01-01

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 NBP1-96855

NBP2-29370	Streptavidin Native Protein
NBP1-99014-100ug	Recombinant Mouse IgG His Protein
NB200-540	Complement C3 Antibody (11H9) - BSA Free
HAF008	Goat anti-Rabbit IgG Secondary Antibody [HRP]

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