

Product Datasheet

Human IgA Isotype Control

NBP1-97039-1mg

Unit Size: 1 mg

Store at 4C short term. For extended storage, add an equal volume of glycerol, aliquot and store at -20C or below. Avoid repeated freeze-thaw cycles.

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technical@novusbio.com

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NBP1-97039-1mg

Human IgA Isotype Control

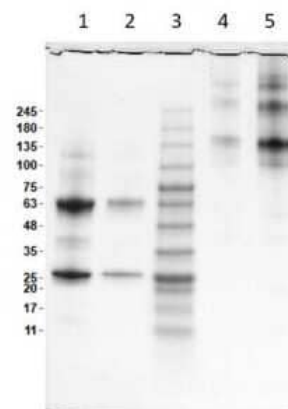
Product Information	
Unit Size	1 mg
Concentration	Please contact technical services for concentration.
Storage	Store at 4C short term. For extended storage, add an equal volume of glycerol, aliquot and store at -20C or below. Avoid repeated freeze-thaw cycles.
Preservative	0.01% Sodium Azide
Isotype	IgA
Purity	Multi-step
Buffer	0.02 M Potassium Phosphate, 0.15 M Sodium Chloride, pH 7.2

Product Description	
Description	<p>This product was prepared from human serum by a multi-step process which includes delipidation, selective precipitation and tandem molecular sieve chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Human Serum and anti-Human IgA (a chain specific)</p> <p>Store vial at 4C prior to opening. This product is stable 4C as an undiluted liquid. Dilute only prior to immediate use. For extended storage mix with an equal volume of glycerol, aliquot contents and freeze at -20C or below. Avoid cycles of freezing and thawing.</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	3493
Gene Symbol	IGHA1
Species	Human
Specificity/Sensitivity	No reaction was observed against anti-Human IgG F(c). Some light chain cross reactivity will occur with anti-Human IgG.

Product Application Details	
Applications	Western Blot, ELISA, Immunohistochemistry, SDS-Page
Recommended Dilutions	Western Blot 1:100 - 1:2000, ELISA 1:100 - 1:2000, Immunohistochemistry 1:10 - 1:500, SDS-Page
Application Notes	This product has been tested in SDS-Page and Western blot and can be utilized as a control or standard reagent in SDS, Western Blotting and ELISA experiments.

Images

SDS-Page: Human IgA Isotype Control [NBP1-97039] - SDS-PAGE of Human IgA Isotype control. Lane 1: Human IgA Isotype control, Reduced [5.0ug]. Lane 2: Human IgA Isotype control, Reduced [1.0ug]. Lane 3: Opal Prestained Molecular Weight Marker. Lane 4: Human IgA Isotype control, Non-Reduced [1.0ug]. Lane 5: Human IgA Isotype control, Non-Reduced [5.0ug]. 4-20% Gel, Coomassie Blue Stained. Expected MW: ~160kDa Non-Reduced, ~55kDa, and 23kDa Reduced. Additional bands: monomer, dimer and trimer.



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]



Novus Biologicals USA

10730 E. Briarwood Avenue
Centennial, CO 80112
USA
Phone: 303.730.1950
Toll Free: 1.888.506.6887
Fax: 303.730.1966
nb-customerservice@bio-techne.com

Bio-Techne Canada

21 Canmotor Ave
Toronto, ON M8Z 4E6
Canada
Phone: 905.827.6400
Toll Free: 855.668.8722
Fax: 905.827.6402
canada.inquires@bio-techne.com

Bio-Techne Ltd

19 Barton Lane
Abingdon Science Park
Abingdon, OX14 3NB, United Kingdom
Phone: (44) (0) 1235 529449
Free Phone: 0800 37 34 15
Fax: (44) (0) 1235 533420
info.EMEA@bio-techne.com

General Contact Information

www.novusbio.com
Technical Support: nb-technical@bio-techne.com
Orders: nb-customerservice@bio-techne.com
General: novus@novusbio.com

Products Related to NBP1-97039-1mg

210-TA-005	TNF-alpha [Unconjugated]
NBP2-61794	IgA Antibody (7D5F12) - BSA Free
M6000B-1	IL-6 [HRP]
6507-IL-010/CF	IL-4 [Unconjugated]

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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