

Product Datasheet

Mouse IgG Isotype Control **NBP1-97019-5mg**

Unit Size: 5 mg

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

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NBP1-97019-5mg

Mouse IgG Isotype Control

Product Information

Unit Size	5 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 500 ul 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

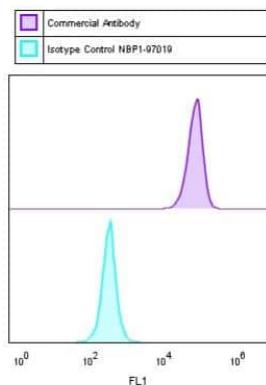
Description	This product was prepared from normal mouse serum by a multi-step process which includes delipidation, salt fractionation and ion exchange chromatography followed by extensive dialysis against the buffer stated above. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG and anti-Mouse Serum. 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.
Host	Mouse
Gene ID	3500
Gene Symbol	IGHG1
Species	Mouse

Product Application Details

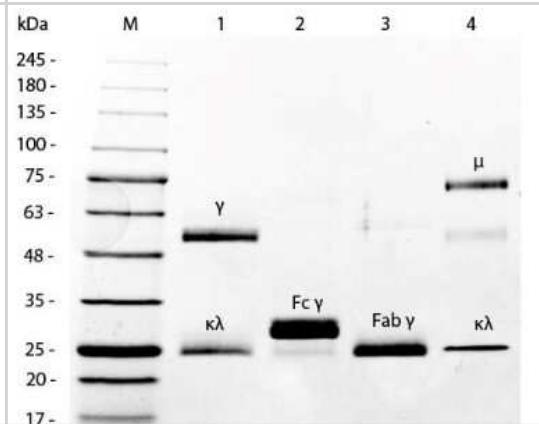
Applications	Western Blot, ELISA, Flow Cytometry, Immunohistochemistry, Immunoprecipitation, SDS-Page
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Immunohistochemistry, Immunoprecipitation, SDS-Page
Application Notes	This product has been tested in SDS-Page and can be utilized as a control or standard reagent in SDS, Western Blotting, and ELISA experiments.

Images

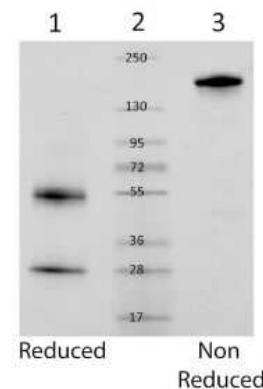
Flow Cytometry: Mouse IgG Isotype Control [NBP1-97019]



SDS-Page: Mouse IgG Isotype Control [NBP1-97019] - Lane 1: 5 uL Opal Prestained Marker Lane 2: Reduced Mouse IgG Whole Molecule (BULK ORDER) Lane 3: Reduced Mouse F(c) Fragment Lane 4: Reduced Mouse F(ab) Fragment Lane 5: Mouse IgM Kappa Myeloma Protein Load: 1 ug per lane. Predicted/Observed size: IgG at 50 and 25 kDa; F(c) at 25 kDa; F(ab) at 25 kDa; IgM K at 70 and 23 kDa. Observed F(c) Fragment migrates slightly higher.



SDS-Page: Mouse IgG Isotype Control [NBP1-97019] - SDS-Page of Mouse IgG Isotype control. Lane 1: Mouse IgG reduced. Lane 2: Molecular Weight Marker. Lane 3: Mouse IgG non-reduced. Load: 1 ug per lane. Predicted/Observed size (non-reduced): 160 kDa, 160 kDa. Predicted/Observed size (reduced): 55 and 28 kDa, 55 and 28 kDa.



Publications

Li J, Conrad C, Mills TW et al. PMN-derived netrin-1 attenuates cardiac ischemia-reperfusion injury via myeloid ADORA2B signaling The Journal of experimental medicine 2021-06-07 [PMID: 33891683] (Immunohistochemistry, Mouse)

Lin A, Shen H, Spychalski G et al. Parallelized immunomagnetic nanopore sorting: modeling, scaling, and optimization of surface marker specific isolation of extracellular vesicles from complex media Research Square 2023-05-16 [PMID: 37292737] (FLOW)

Wang R, Nissen NN, Zhang Y Et al. Circulating Fatty Objects and Their Preferential Presence in Pancreatic Cancer Patient Blood Samples Front Physiol 2022-03-03 [PMID: 35237181]

Details:

Citation using the Biotin version of this antibody.

Chittezhath M, Wai CMM, Tay VSY et al. TLR4 signals through islet macrophages to alter cytokine secretion during diabetes J. Endocrinol. 2020-10-01 [PMID: 32755994] (Mouse)

Yang X, Balakrishnan I, Torok-Storb B, et al. Marrow Stromal Cell Infusion Rescues Hematopoiesis in Lethally Irradiated Mice despite Rapid Clearance after Infusion Adv Hematol 2012-03-09 [PMID: 22400029] (IF/IHC, Mouse)



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Products Related to NBP1-97019-5mg

NBP1-99013-50ug	Recombinant Mouse IgG 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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