

Product Datasheet

Mouse IgG1 Isotype Control (MG1) NBP1-97005-0.5mg

Unit Size: 0.5 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-97005-0.5mg

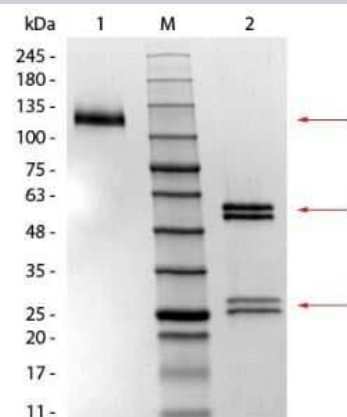
Mouse IgG1 Isotype Control (MG1)

Product Information	
Unit Size	0.5 mg
Concentration	Please contact technical services for concentration.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	MG1
Preservative	0.01% Sodium Azide
Isotype	IgG1
Purity	Protein A purified
Buffer	0.02 M Potassium Phosphate, 0.5 M Sodium Chloride, pH 7.2
Product Description	
Description	<p>This antibody has been prepared from concentrated cell culture supernatant by immunoaffinity chromatography using protein A. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG1 and anti-Mouse Serum. Isotyping assay resulted the material is non-reactive with antisera to mouse IgG2a, IgG2b, IgG3, IgM, and IgA. SDS-PAGE shows a band at 60 kDa corresponding to alpha heavy chain.</p> <p>Store vial at 4C prior to opening. 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>
Host	Mouse
Species	Mouse
Specificity/Sensitivity	Isotyping assay resulted the material is non-reactive with antisera to mouse IgG2a, IgG2b, IgG3, IgM, and IgA. SDS-PAGE shows a band at 60 kDa corresponding to alpha heavy chain.
Product Application Details	
Applications	Western Blot, ELISA, Fluorophore-linked immunosorbent assay, Flow Cytometry, Immunocytochemistry/Immunofluorescence, SDS-Page
Recommended Dilutions	Western Blot 1:100 - 1:2000, Flow Cytometry 1:1000 - 1:5000, ELISA 1:100 - 1:2000, Immunocytochemistry/Immunofluorescence 1:10 - 1:500, SDS-Page, Fluorophore-linked immunosorbent assay 1:100 - 1:2000
Application Notes	This product has been tested by ELISA and SDS-Page and can be utilized as a control or standard reagent in Flow cytometry, Western Blotting, and ELISA experiments where determination of sample isotype is important.



Images

SDS-Page: Mouse IgG1 Isotype Control (MG1) [NBP1-97005] - Lane 1: , Non-reduced. M: Opal Pre-stained Ladder. Lane 2: , Reduced. Load: 1.0 ug per lane. Predicted/Observed: 120 kDa Non-reduced, 55 and 25 Reduced.



Publications

Morales I, Puertas-Avendano R, Sanchez A Et al. Astrocytes and retrograde degeneration of nigrostriatal dopaminergic neurons in Parkinson's disease: removing axonal debris Translational neurodegeneration 2021-11-02 [PMID: 34727977] (IHC-FrFI)

Lim RR, Hainsworth DP, Mohan RR, Chaurasia SS Characterization of a functionally active primary microglial cell culture from the pig retina Exp Eye Res 2019-05-20 [PMID: 31103710] (ICC/IF)

Siegel D, Dehn DD, Bokatzian SS et al. Redox modulation of NQO1 PLoS ONE 2018-01-03 [PMID: 29298345] (Mouse)

Kusne Y, Carrera-Silva EA, Perry AS et al. Targeting aPKC disables oncogenic signaling by both the EGFR and the proinflammatory cytokine TNFalpha in glioblastoma. Sci Signal 2014-08-12 [PMID: 25118327] (WB)



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Products Related to NBP1-97005-0.5mg

110-HG-100	IgG1 [Unconjugated]
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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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