

Product Datasheet

Mouse IgG2a Isotype Control (M2A) [FITC] NBP1-96848

Unit Size: 0.1 mg

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

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NBP1-96848

Mouse IgG2a Isotype Control (M2A) [FITC]

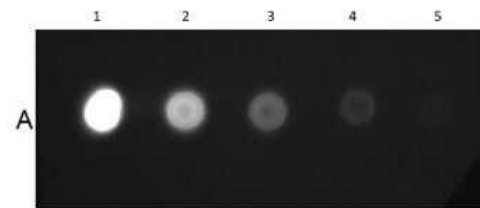
Product Information	
Unit Size	0.1 mg
Concentration	LYOPH mg/ml
Storage	Store lyophilized antibody at 4C in the dark. Aliquot reconstituted liquid and store at -20C. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	M2A
Preservative	0.01% Sodium Azide
Reconstitution Instructions	Reconstitute with 100 ul deionized water (or equivalent).
Isotype	IgG2a
Conjugate	FITC
Purity	Immunogen affinity purified
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 antibody has been prepared from normal mouse serum by immunoaffinity chromatography using antibodies coupled to agarose beads. Extensive cross-adsorption was performed to remove any unwanted subclasses. Assay by immunoelectrophoresis resulted in a single precipitin arc against anti-Mouse IgG2a and anti-Mouse Serum. Isotyping assay resulted the material is non-reactive with antisera to mouse IgG1, IgG2b, IgG3, IgM, and IgA. Fluorescein Conjugated Mouse IgG2a was proven by Dot Blot.</p>
Host	Mouse
Species	Mouse
Specificity/Sensitivity	Extensive cross-adsorbition was performed to remove any unwanted subclasses. Isotyping assay resulted the material is non-reactive with antisera to mouse IgG1, IgG2b, IgG3, IgM, and IgA. Fluorescein Conjugated Mouse IgG2a was proven by Dot Blot.

Product Application Details	
Applications	Western Blot, Dot Blot, ELISA, Fluorophore-linked immunosorbent assay, Flow Cytometry, Immunocytochemistry/ Immunofluorescence
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, Dot Blot, Fluorophore-linked immunosorbent assay 1:100 - 1:2000
Application Notes	This product has been tested in dot blot and can be utilized as a control or standard reagent in Flow cytometry, Western Blotting, Immunofluorescence, and ELISA experiments where determination of sample isotype is important.

Images

Dot Blot: Mouse IgG2a Isotype Control (M2A) [FITC] [NBP1-96848] - Dot Blot of Mouse IgG2a isotype control (M2A) [FITC]. Ms IgG2a Isotype Control FITC Conjugate (1) 100ng, (2) 33.33ng, (3) 11.11ng, (4) 3.70ng, (5) 1.23ng. Block: Fluorescent Buffer RT for 30 mins.



Publications

Kawasaki Y, Suzuki H, Miura M et al. LAT1 is associated with poor prognosis and radioresistance in head and neck squamous cell carcinoma *Oncology letters* 2023-04-01 [PMID: 36970606] (Flow Cytometry)

Shin W, Jeon Y, Choi I, Kim YJ. V-set and Ig domain-containing 4 (VSIG4)-expressing hepatic F4/80+ cells regulate oral antigen-specific responses in mouse. *Eur. J. Immunol.* 2017-12-13 [PMID: 29235119] (Mouse)

Details:

This citation used the FITC form of this antibody



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Products Related to NBP1-96848

F0129	Rat anti-Mouse IgG2a Secondary Antibody (344701) [Phycoerythrin]
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Limitations

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