antibodies

Datasheet for ABIN2749153 Mouse IgG2a isotype control (APC)

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Overview

Quantity:	0.1 mg
Target:	lgG2a
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	APC
Application:	Flow Cytometry (FACS)
Product Details	
Immunogen:	The transplantable plasmacytoma MOPC-173 was induced by intraperitoneal injection of
	mineral oils into BALB/c mice.
Clone:	MOPC-173
Isotype:	IgG2a kappa

This mouse IgG2a monoclonal antibody (clone MOPC-173) reacts with an unknown epitope. It

does not react with a variety of resting, activated, live, and fixed mouse, rat and human tissues.

conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion

Purified antibody is conjugated with activated allophycocyanin (APC) under optimum

Target Details

No Cross-Reactivity:

Specificity:

Purification:

Target:

Human, Mouse, Rat

chromatography.

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Abstract:	IgG2a Products
Target Type:	Antibody
Application Details	
Application Notes:	Negative control: The reagent is intended as an isotype control to establish the amount of non- specific antibody binding. For your particular experiment, use the same concentration of this control antibody as the recommended working concentration of the antigen-specific antibody. Also, when working with prediluted antibodies, dilute the isotype control to the same concentration as is the concentration of the antigen-specific antibody in the prediluted antibod solution you are using. If under particular experimental conditions the background signal of the isotype control is too high (usually when working concentrations of used antibodies are above 10 µg/mL of incubation mixture), change the conditions of your experiment to reduce the background.
Comment:	The purified antibody is conjugated with cross-linked Allophycocyanin (APC) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Restrictions:	For Research Use only
Handling	
Concentration:	0.1 mg/mL
Buffer:	Stabilizing phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.
Publications	
Product cited in:	Khoddami, Cairns: "Transcriptome-wide target profiling of RNA cytosine methyltransferases
	using the mechanism-based enrichment procedure Aza-IP." in: Nature protocols , Vol. 9, Issue 2 pp. 337-61, (2014) (PubMed).
	Gupta, Gylling, Alonso, Sugimori, Ianakiev, Xiong, Arnaout: "The beta-tail domain (betaTD)

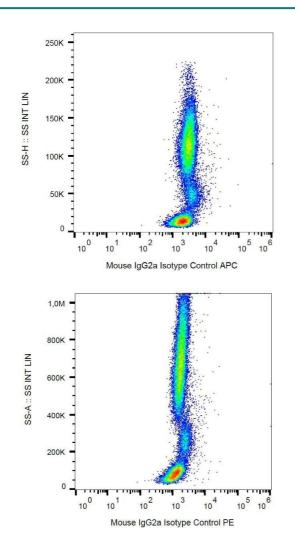
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regulates physiologic ligand binding to integrin CD11b/CD18." in: **Blood**, Vol. 109, Issue 8, pp. 3513-20, (2007) (PubMed).

Fougereau, Bourgois, de Preval, Rocca-Serra, Schiff: "The complete sequence of the murine monoclonal immunoglobulin MOPC 173 (IgG2a): genetic implications." in: **Annales d'immunologie**, Vol. 127, Issue 5, pp. 607-31, (1977) (PubMed).

Baumal, Scharff: "Immunoglobulin biosynthesis by the MOPC 173 mouse myeloma tumor and a variant spleen clone." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 116, Issue 1, pp. 65-74, (1976) (PubMed).

Images



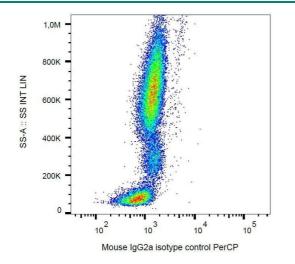
Flow Cytometry

Image 1. Example of nonspecific mouse IgG2a (MOPC-173) APC signal on human peripheral blood; surface staining, 9 μ g/ml.

Flow Cytometry

Image 2. Example of nonspecific mouse IgG2a (MOPC-173) APC signal on human peripheral blood; surface staining, 9 μ g/ml.

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Flow Cytometry

Image 3. Example of nonspecific mouse IgG2a (MOPC-173) APC signal on human peripheral blood; surface staining, 9 μ g/ml.

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