

Datasheet for ABIN2749155

Mouse IgG2a isotype control (PerCP)**2** Images**4** Publications[Go to Product page](#)

Overview

| | |
|--------------|-----------------------|
| Quantity: | 0.1 mg |
| Target: | IgG2a |
| Host: | Mouse |
| Clonality: | Monoclonal |
| Conjugate: | PerCP |
| 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 |
| Specificity: | 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. |
| No Cross-Reactivity: | Human, Mouse, Rat |
| Purification: | Purified antibody is conjugated with activated Peridinin-Chlorophyll Protein (PerCP) under optimum conditions and unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography. |

Target Details

| | |
|---------|-------|
| Target: | IgG2a |
|---------|-------|

Target Details

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 antibody 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 PerCP 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](#)).

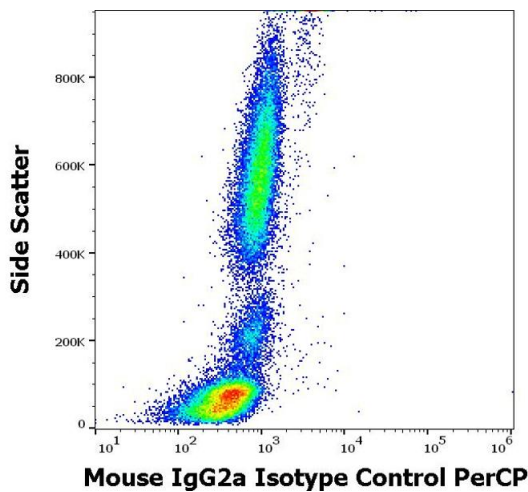
Gupta, Gylling, Alonso, Sugimori, Ianakiev, Xiong, Arnaout: "The beta-tail domain (betaTD)

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](#)).

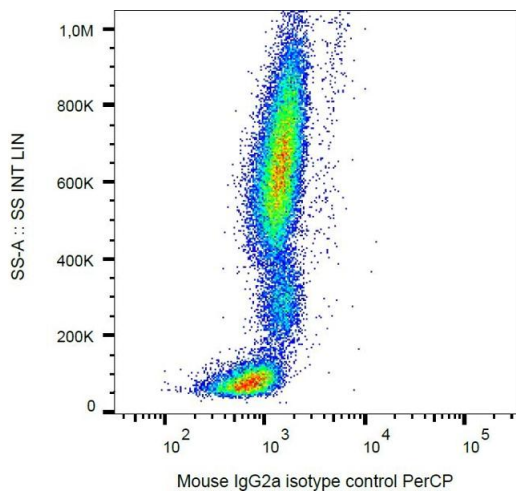
Baumal, Scharff: "Immunoglobulin biosynthesis by the MOPC 173 mouse myeloma tumor and a variant spleen clone." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 116, Issue 1, pp. 65-74, (1976) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Flow cytometry surface nonspecific staining pattern of human peripheral whole blood stained using mouse IgG2a Isotype control (MOPC-173) PerCP antibody (concentration in sample 5 µg/mL).



Flow Cytometry

Image 2. Example of nonspecific mouse IgG2a (MOPC-173) PerCP signal on human peripheral blood, surface staining, 9 µg/mL.