

Datasheet for ABIN457372

Mouse IgG1 isotype control (PE)**1** Image**5** Publications[Go to Product page](#)

Overview

Quantity:	0.1 mg
Target:	IgG1
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	PE
Application:	Flow Cytometry (FACS)

Product Details

Clone:	MOPC-21
Isotype:	IgG1 kappa
Specificity:	This mouse IgG1 kappa monoclonal antibody (clone MOPC-21) with unknown specificity has been confirmed as a good negative control with human and rat species, based on multiple testing on rat and human tissues.
No Cross-Reactivity:	Human, Rat
Purification:	Purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. Unconjugated antibody and free fluorochrome are removed by size-exclusion chromatography.

Target Details

Target:	IgG1
Abstract:	IgG1 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 R-Phycoerythrin (PE) 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.

Handling Advice: **Do not freeze.**
Avoid prolonged exposure to light.

Storage: 4 °C

Storage Comment: Store at 2-8°C. Protect from prolonged exposure to light. Do not freeze.

Publications

Product cited in: Rebetz, Tian, Persson, Widegren, Salford, Englund, Gisselsson, Fan: "Glial progenitor-like phenotype in low-grade glioma and enhanced CD133-expression and neuronal lineage differentiation potential in high-grade glioma." in: **PLoS ONE**, Vol. 3, Issue 4, pp. e1936, (2008) ([PubMed](#)).

Smed-Sörensen, Moll, Cheng, Loré, Norlin, Perbeck, Moody, Spetz, Sandberg: "IgG regulates the CD1 expression profile and lipid antigen-presenting function in human dendritic cells via

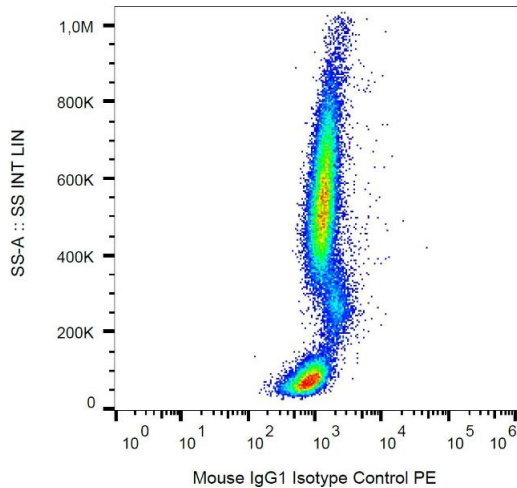
FcγRIIIa." in: **Blood**, Vol. 111, Issue 10, pp. 5037-46, (2008) ([PubMed](#)).

Yates, Rovis, Mitchell, Afzali, Tsang, Garin, Lechler, Lombardi, Garden: "The maintenance of human CD4+ CD25+ regulatory T cell function: IL-2, IL-4, IL-7 and IL-15 preserve optimal suppressive potency in vitro." in: **International immunology**, Vol. 19, Issue 6, pp. 785-99, (2007) ([PubMed](#)).

Carlsten, Björkström, Norell, Bryceson, van Hall, Baumann, Hanson, Schedvins, Kiessling, Ljunggren, Malmberg: "DNAX accessory molecule-1 mediated recognition of freshly isolated ovarian carcinoma by resting natural killer cells." in: **Cancer research**, Vol. 67, Issue 3, pp. 1317-25, (2007) ([PubMed](#)).

Bryceson, March, Barber, Ljunggren, Long: "Cytolytic granule polarization and degranulation controlled by different receptors in resting NK cells." in: **The Journal of experimental medicine**, Vol. 202, Issue 7, pp. 1001-12, (2005) ([PubMed](#)).

Images



Flow Cytometry

Image 1. Example of nonspecific mouse IgG1 (MOPC-21) PE signal on human peripheral blood, surface staining, 9 μg/mL.