

Datasheet for ABIN810078

**Mouse IgG1 isotype control (Biotin)**

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## Overview

Quantity:	0.1 mg
Target:	IgG1
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	Biotin
Application:	Flow Cytometry (FACS), ELISA, Western Blotting (WB), Immunoprecipitation (IP), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

## 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 biotin LC-NHS ester under optimum conditions and unconjugated antibody and free biotin are removed by size-exclusion chromatography.

## Target Details

Target:	IgG1
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## Target Details

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 Biotin-LC-NHS under optimum conditions. The reagent is free of unconjugated biotin.

Restrictions: For Research Use only

## Handling

Concentration: 1 mg/mL

Buffer: 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. Do not freeze.

## Publications

Product cited in: 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

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

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](#)).

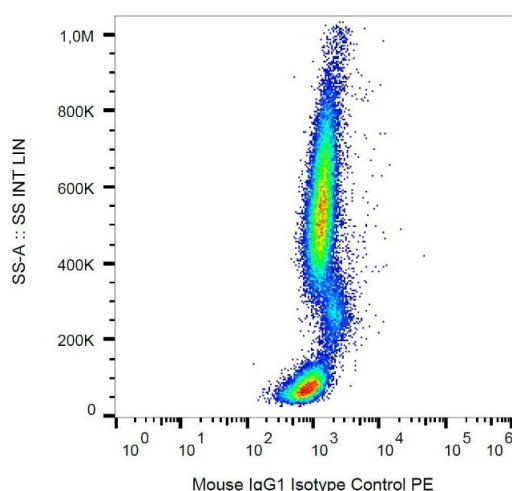
Carlsten, Björkström, Norell, Bryceson, van Hall, Baumann, Hanson, Schedvins, Kiessling, Ljunggren, Malmberg: "DNAX accessory molecule-1 mediated recognition of freshly isolated ovarian carcinoma by resting natural killer cells." in: **Cancer research**, Vol. 67, Issue 3, pp. 1317-25, (2007) ([PubMed](#)).

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](#)).

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](#)).

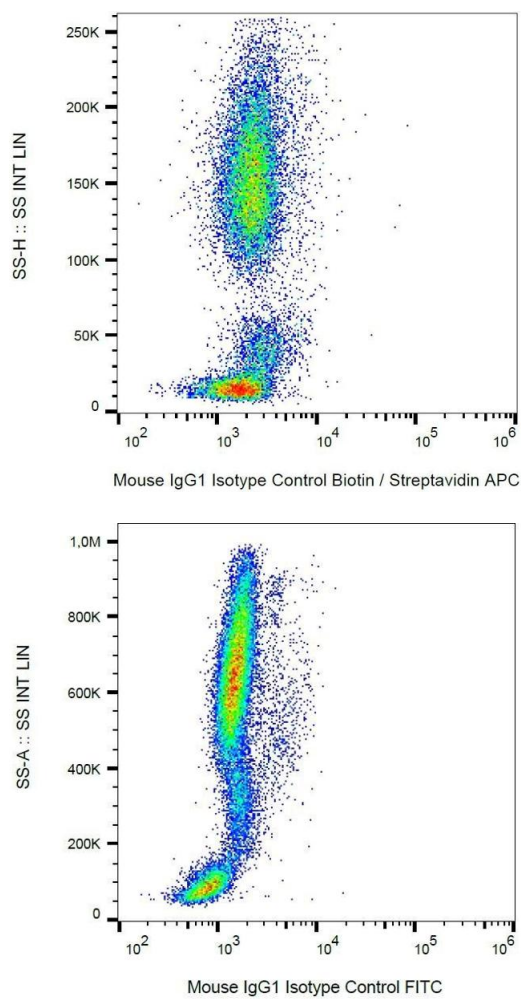
There are more publications referencing this product on: [Product page](#)

## Images



### Flow Cytometry

**Image 1.** Example of nonspecific mouse IgG1 (MOPC-21) biotin signal on human peripheral blood; surface staining, 6 µg/ml.



### Flow Cytometry

**Image 2.** Example of nonspecific mouse IgG1 (MOPC-21) biotin signal on human peripheral blood; surface staining, 6 µg/ml.

### Flow Cytometry

**Image 3.** Example of nonspecific mouse IgG1 (MOPC-21) biotin signal on human peripheral blood; surface staining, 6 µg/ml.