

Datasheet for ABIN457406

Mouse IgG1 Isotype Control**1** Image**9** Publications[Go to Product page](#)

Overview

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

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 by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)
Endotoxin Level:	Endotoxin level is less than 0.01 EU/μg of the protein, as determined by the LAL test.

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.

Restrictions: For Research Use only

Handling

Concentration: 1 mg/mL

Buffer: Phosphate buffered saline (PBS), pH 7.4

Preservative: Azide free

Handling Advice: **Do not freeze.**

Storage: 4 °C

Storage Comment: Store at 2-8°C. Do not freeze.

Publications

Product cited in: Piao, Na, Seo, Hong, Sohn, Kwon, Lee, Kim: "Effects of general anaesthesia with an inhalational anaesthetic agent on the expression of exosomes in rats." in: **International journal of medical sciences**, Vol. 19, Issue 9, pp. 1399-1407, (2022) ([PubMed](#)).

Ni, Zhou, Song, Chen, Wang, Du, Zhang: "ELAVL1a is an immunocompetent protein that protects zebrafish embryos from bacterial infection." in: **Communications biology**, Vol. 4, Issue 1, pp. 251, (2021) ([PubMed](#)).

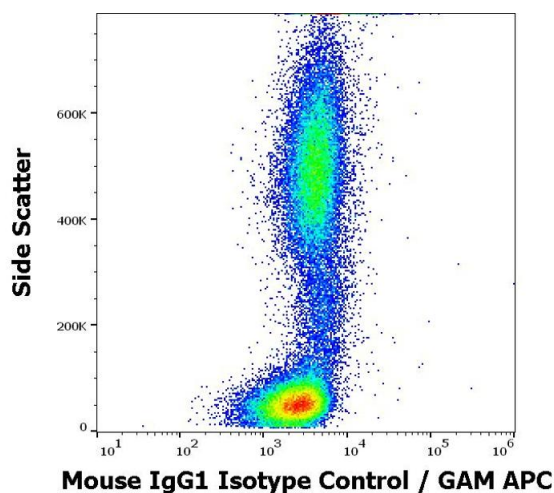
Klaile, Müller, Schäfer, Clauder, Feer, Heyl, Stock, Klassert, Zipfel, Singer, Slevogt: "Binding of *Candida albicans* to Human CEACAM1 and CEACAM6 Modulates the Inflammatory Response of Intestinal Epithelial Cells." in: **mBio**, Vol. 8, Issue 2, (2017) ([PubMed](#)).

Marchiani, Tamburrino, Giuliano, Nosi, Sarli, Gandini, Piomboni, Belmonte, Forti, Baldi, Muratori: "Sumo1-ylation of human spermatozoa and its relationship with semen quality." in: **International journal of andrology**, Vol. 34, Issue 6 Pt 1, pp. 581-93, (2011) ([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](#)).

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

Images



Flow Cytometry

Image 1. Flow cytometry surface nonspecific staining pattern of human peripheral whole blood stained using mouse IgG1 Isotype control (MOPC-21) purified antibody (low endotoxin, concentration in sample 9 µg/mL).