

AM12069PP-N**Mouse IgG1 Isotype Control - PerCP**

Quantity: 0.1 mg
Concentration: 0.1 mg/ml
Host / Isotype: Mouse / IgG1
Clone: MOPC-21

Format: **State:** Liquid Ig fraction
Buffer System: Phosphate buffered saline (PBS)
Preservatives: 15 mM sodium azide
Label: PerCP – Conjugated with Peridinin-chlorophyll-protein complex (PerCP) under optimum conditions. The reagent is free of unconjugated PerCP.

Applications: **Flow cytometry analysis** to establish the amount of non-specific antibody binding. For your particular experiment, use the same concentration of this isotype 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 per ml of incubation mixture), change the conditions of your experiment to reduce the background. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Specificity: This mouse IgG1 kappa monoclonal antibody (clone MOPC-21) has unknown specificity and was chosen as an isotype control after screening on variety of resting, activated, live and fixed rat and human tissues.
The reagent is intended as isotype control for flow cytometry analysis to establish the amount of non-specific antibody binding. For your particular experiment, use the same concentration of this isotype 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 per ml of incubation mixture), change the conditions of your experiment to reduce the background.

Species Reactivity: **Tested:** Negative on Human and Rat

Storage: Store undiluted at 2-8°C. DO NOT FREEZE! This products is photosensitive and should be protected from light. Shelf life: one year from despatch.

General Readings: 1. Carlsten M, Björkström NK, Norell H, Bryceson Y, van Hall T, Baumann BC, et al. DNAX accessory molecule-1 mediated recognition of freshly isolated ovarian carcinoma by resting natural killer cells. Cancer Res. 2007 Feb 1;67(3):1317-25. PubMed PMID: 17283169.

2. Smed-Sørensen A, Moll M, Cheng TY, Loré K, Norlin AC, Perbeck L, et al. IgG regulates the CD1 expression profile and lipid antigen-presenting function in human dendritic cells via FcγRIIa. *Blood*. 2008 May 15;111(10):5037-46. doi: 10.1182/blood-2007-07-099549. Epub 2008 Mar 12. PubMed PMID: 18337560.
3. Yates J, Rovis F, Mitchell P, Afzali B, Tsang J, Garin M, et al. 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. *Int Immunol*. 2007 Jun;19(6):785-99. Epub 2007 Jun 1. PubMed PMID: 17545278.
4. Wiendl H, Mitsdoerffer M, Schneider D, Melms A, Lochmuller H, Hohlfeld R, Weller M: Muscle fibres and cultured muscle cells express the B7.1/2-related inducible co-stimulatory molecule, ICOSL: implications for the pathogenesis of inflammatory myopathies. *Brain*. 2003 May;126(Pt 5):1026-35.
5. Bryceson YT, March ME, Barber DF, Ljunggren HG, Long EO. Cytolytic granule polarization and degranulation controlled by different receptors in resting NK cells. *J Exp Med*. 2005 Oct 3;202(7):1001-12. PubMed PMID: 16203869.
6. Rebetz J, Tian D, Persson A, Widegren B, Salford LG, Englund E, et al. Glial progenitor-like phenotype in low-grade glioma and enhanced CD133-expression and neuronal lineage differentiation potential in high-grade glioma. *PLoS One*. 2008 Apr 9;3(4):e1936. doi: 10.1371/journal.pone.0001936. PubMed PMID: 18398462.