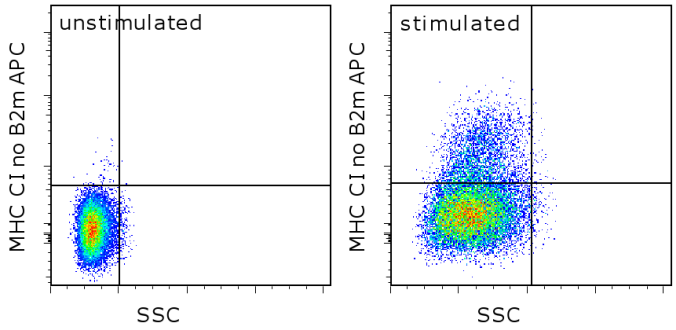
Anti-Human MHC Class I free chain without beta 2 microglobulin APC

Catalog Number: 17-9958

RUO: For Research Use Only. Not for use in diagnostic procedures.



Staining of 3-day PHA-stimulated human peripheral blood cells with Mouse IgG1 K Isotype Control APC (left) (cat. 17-4714) or Anti-Human MHC Class I free chain without beta 2 microglobulin APC (right). Total viable cells were used for analysis.

Product Information

Contents: Anti-Human MHC Class I free chain without beta 2 microglobulin APC

REF **Catalog Number:** 17-9958

Clone: A4

Concentration: 5 uL (0.125 ug)/test

Host/Isotype: Mouse IgG1, kappa

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer

Temperature Limitation: Store at 2-8°C. Do not freeze. Light-sensitive material.

LOT **Batch Code:** Refer to vial

Use By: Refer to vial

Description

The A4 monoclonal antibody reacts with the class I human leukocyte antigen (HLA) complex in the absence of β2 microglobulin. There are three class I α-chain genes in humans, called HLA-A, -B and -C. Normally, HLA class I proteins are associated non-covalently with β2 microglobulin (β2M). The function of the HLA class I complex is to present peptides derived from intracellular pathogens, including viral pathogens, on the cell surface to antigen specific CD8+ cytotoxic T cells. Class I HLA is expressed by the majority of nucleated cells.

Applications Reported

This A4 antibody has been reported for use in flow cytometric analysis.

Applications Tested

This A4 antibody has been pre-titrated and tested by flow cytometric analysis of stimulated normal human peripheral blood cells. This can be used at 5 µL (0.125 µg) per test. A test is defined as the amount (µg) of antibody that will stain a cell sample in a final volume of 100 µL. Cell number should be determined empirically but can range from 10^5 to 10^8 cells/test.

References

Lopez de Castro JA, Barbosa JA, Krangel MS, Biro PA, Strominger JL. Structural analysis of the functional sites of class I HLA antigens. Immunol Rev. 1985 Jul;85:149-68.

Related Products

00-4222 Flow Cytometry Staining Buffer

17-4714 Mouse IgG1 K Isotype Control APC (P3.6.2.8.1)

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