

MHC I Free Chain Monoclonal Antibody (A4), APC, eBioscience™

Product Details	
Size	100 Tests
Species Reactivity	Human
Host/Isotype	Mouse / IgG1, kappa
Recommended Isotype Control	Mouse IgG1 kappa Isotype Control (P3.6.2.8.1), APC, eBioscience™
Class	Monoclonal
Type	Antibody
Clone	A4
Conjugate	APC
Excitation/Emission Max	651/660 nm
Form	Liquid
Concentration	5 µL/Test
Purification	Affinity chromatography
Storage buffer	PBS, pH 7.2, with 0.2% BSA
Contains	0.09% sodium azide
Storage conditions	4° C, store in dark, DO NOT FREEZE!
RRID	AB_11043695

Applications	Tested Dilution	Publications
Flow Cytometry (Flow)	5 µL (0.125 µg)/test	-

Product Specific Information

Description: The A4 monoclonal antibody reacts with the class I human leukocyte antigen (HLA) complex in the absence of beta2 microglobulin. There are three class I alpha-chain genes in humans, called HLA-A, -B and -C. Normally, HLA class I proteins are associated non-covalently with beta2 microglobulin (beta2M). 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.

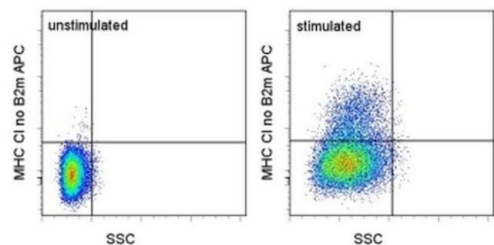
Applications Reported: This A4 antibody has been reported for use in flow cytometric analysis.

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 10⁵ to 10⁸ cells/test.

Excitation: 633-647 nm; **Emission:** 660 nm; **Laser:** Red Laser.

Filtration: 0.2 µm post-manufacturing filtered.

Product Images For MHC I Free Chain Monoclonal Antibody (A4), APC, eBioscience™



MHC I Free Chain Antibody (17-9958-42) in Flow

Staining of 3-day PHA-stimulated human peripheral blood cells with Mouse IgG1 K Isotype Control APC (left) (Product # 17-4714-81) or Anti-Human MHC Class I free chain without beta 2 microglobulin APC (right). Total viable cells were used for analysis.

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