

Mouse anti-Human MHC Class I Monoclonal Antibody

anti-human MHC Class I-Purified (with Antibiotics)

CATALOG # AAA78156	HOST Mouse	REACTIVITY Human
------------------------------	----------------------	----------------------------

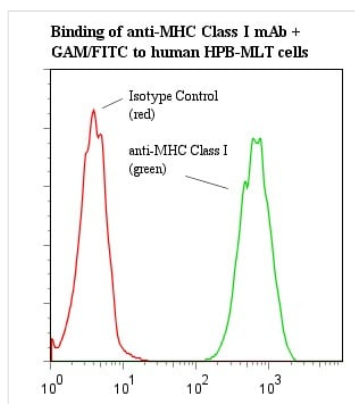
PRODUCT SYNONYMS

MHC Class I; Monoclonal Antibody; anti-human MHC Class I-Purified (with Antibiotics); Monoclonal anti-human MHC Class I (HLA-A; B and C); anti-MHC Class I antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	Mouse IgG2a
Clone Number	3F10
Form/Format	50 mM Sodium Phosphate pH 7.5, 100 mM Potassium Chloride, 150mM NaCl, 0.5% Gentamicin sulfate (as a preservative).
Concentration	1.0 mg/ml (varies by lot)
Sequence Length	354
Performance	Five x 10 ⁵ cultured HPB-MLT cells were washed and incubated 45 minutes on ice with 80 ul of anti-MHC Class I antibody at 10 ug/ml. Cells were washed twice and incubated with 2 degree reagent Goat anti-Mouse IgG/FITC, () after which they were washed three times, fixed and analyzed by FACS. Cells stained positive with a mean shift of 2.17 log ₁₀ fluorescent units when compared to a Mouse IgG2a isotype control () at a similar concentration.
Production	Antibody was Protein A purified from (low FBS containing) tissue culture supernatant. Purity was >95% Immunoglobulin by SDS-PAGE with less than 1% Bovine Immunoglobulin.
Immunogen	Human HSB-2 T cell line
Preparation and Storage	Store at 2 - 5 degree C. Freeze/Thawing is not recommended. Product should retain activity for at least 12 months after shipping date when stored as recommended.

IMAGES



Application Data

ADDITIONAL INFORMATION

Related Product Information for anti-MHC Class I antibody	Information: Human MHC Class I (HLA-A, B & C) molecules are expressed on nearly all nucleated cells. MHC Class I molecules consist of heterodimers of a highly polymorphic transmembrane alpha chain and an invariant β chain. MHC Class I molecules bind to endogenously synthesized peptides of about 8-10 amino acids which are presented to CD8+ T cells. Recent evidence now indicates exogenously derived peptides are also presented by MHC Class I molecules. Antibody 3F10 recognizes a monomorphic Class I epitope on the α chain.
References	G.S. Eisenbarth, et al, (1980) J Immunol 124: 1237-1244. P.J. Bjorkman & P. Parham, (1990) Annu Rev Biochem 59: 253-288. L.D. Barber & P. Parham, (1994) J Exp Med 180: 1191-1194. K.L. Rock, (1996) Immunol Today 17: 131-137.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1545844
NCBI Official Full Name	MHC class I, partial
UniProt Protein Name	MHC class I
UniProt Entry Name	Q95430_PONPY

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/mhc-class-i-antibody-clone-3f10-elisa/78156>