

Mouse MHC Class I Monoclonal Antibody | anti-MHC Class I antibody

Mouse Anti MHC Class I (H-2K) Biotin

CATALOG #
AAA37935

HOST
Mouse

PRODUCT SYNONYMS

MHC Class I; Monoclonal Antibody; Mouse Anti MHC Class I (H-2K) Biotin; H-2K Antibody; Biotin; (H-2K) Mouse Antibody; MHC Class I Biotin; anti-MHC Class I antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Clonality	Monoclonal
Isotype	IgG2b
Clone Number	NYRmH-2K
Specificity	Recognizes most mouse H-2K haplotypes (k,p,q,r,s). Does NOT react with H-2kd.
Purity/Purification	Ion exchange column.
Concentration	1mg/ml in PBS (after reconstitution). (varies by lot)
Sequence Length	236
Reconstitution	Reconstitute with of H2O. Mix gently, wash the sides of the vial and wait 30-60 seconds before use.
Immunogen	Purified mouse LN cells (C57Bl/6 anti-BALB/c).
Antibody Properties	Cytotoxic and staining antibody. For staining, use 10ml/1,000,000 cells. Titer for cytotoxicity should be determined by the investigator.
Available Conjugates	This antibody is also available as unconjugated antibody and conjugated to FITC.
Preparation and Storage	Lyophilized: store at 4 degree C. After reconstitution, if not intended for use within a month, aliquot and store at -20 degree C.

ADDITIONAL INFORMATION

Related Product Information for anti-MHC Class I antibody

Introduction: MHC Class I is a membrane spanning molecule consisting of 2 proteins. MHC Class I is just about 350 amino acids in length, with roughly 75 amino acids at the carboxylic end comprising the transmembrane and cytoplasmic portions. The remaining 270 amino acids, are divided into three globular domains labeled Alpha-1, Alpha-2 and Alpha-3 prime, with Alpha-1 being closest to the amino terminus and Alpha-3 closest to the membrane. The second portion of the molecule is a small globular protein called Beta-2 Microglobulin. It links primarily with the Alpha-3 prime domain and is essential for MHC stability. The MHC ability to show a vast range of antigenic peptides for T cell recognition needs a compromise between broad specificity and high affinity. Both MHC class I and MHC class II show an exceptional structure while the peptide main chain is tightly bound and peptide side chains show less restrictive interactions. It is primarily the peptide side-chain contacts and conformational variability that ensures that the peptide-MHC complex presents an antigenically unique surface to T cell receptors.

Product Categories/Family for anti-MHC Class I antibody

[Monoclonal/Polyclonal Antibodies](#); [Monoclonal Antibodies](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	82123757
Molecular Weight	26,573 Da
NCBI Official Full Name	MHC class I
UniProt Protein Name	MHC class I
UniProt Gene Name	gamr-UA-c24
UniProt Entry Name	O98279_GADMO

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-nyrmh-2k-elisa/37935>