

MHC Class I Rabbit mAb
Catalog # AP76775**Specification**

MHC Class I Rabbit mAb - Product Information

Application	WB, IHC
Primary Accession	P04439
Reactivity	Human
Host	Rabbit
Clonality	Monoclonal Antibody
Calculated MW	40841

MHC Class I Rabbit mAb - Additional Information

Gene ID 3105

Other Names

HLA-A

Dilution

WB~~1/500-1/1000

IHC~~1/50-1/100

Format

Liquid

MHC Class I Rabbit mAb - Protein InformationName HLA-A ([HGNC:4931](#))**Synonyms** HLAA**Function**

Antigen-presenting major histocompatibility complex class I (MHCI) molecule. In complex with B2M/beta 2 microglobulin displays primarily viral and tumor-derived peptides on antigen-presenting cells for recognition by alpha-beta T cell receptor (TCR) on HLA-A-restricted CD8-positive T cells, guiding antigen-specific T cell immune response to eliminate infected or transformed cells (PubMed: [10449296](http://www.uniprot.org/citations/10449296) target="_blank">10449296, PubMed: [12138174](http://www.uniprot.org/citations/12138174) target="_blank">12138174, PubMed: [12393434](http://www.uniprot.org/citations/12393434) target="_blank">12393434, PubMed: [1402688](http://www.uniprot.org/citations/1402688) target="_blank">1402688, PubMed: [15893615](http://www.uniprot.org/citations/15893615) target="_blank">15893615, PubMed: [17189421](http://www.uniprot.org/citations/17189421) target="_blank">17189421, PubMed: [19543285](http://www.uniprot.org/citations/19543285) target="_blank">19543285, PubMed: [21498667](http://www.uniprot.org/citations/21498667) target="_blank">21498667, PubMed: [24192765](http://www.uniprot.org/citations/24192765) target="_blank">24192765, PubMed: [24395804](http://www.uniprot.org/citations/24395804) target="_blank">24395804, PubMed: [2456340](http://www.uniprot.org/citations/2456340) target="_blank">2456340)

target="_blank">2456340, PubMed:2784196, PubMed:28250417, PubMed:7504010, PubMed:7694806, PubMed:9862734). May also present self- peptides derived from the signal sequence of secreted or membrane proteins, although T cells specific for these peptides are usually inactivated to prevent autoreactivity (PubMed:25880248, PubMed:7506728, PubMed:7679507). Both the peptide and the MHC molecule are recognized by TCR, the peptide is responsible for the fine specificity of antigen recognition and MHC residues account for the MHC restriction of T cells (PubMed:12796775, PubMed:18275829, PubMed:19542454, PubMed:28250417). Typically presents intracellular peptide antigens of 8 to 13 amino acids that arise from cytosolic proteolysis via IFNG-induced immunoproteasome or via endopeptidase IDE/insulin-degrading enzyme (PubMed:17079320, PubMed:17189421, PubMed:20364150, PubMed:26929325, PubMed:27049119). Can bind different peptides containing allele- specific binding motifs, which are mainly defined by anchor residues at position 2 and 9 (PubMed:7504010, PubMed:9862734).

Cellular Location

Cell membrane; Single-pass type I membrane protein. Endoplasmic reticulum membrane; Single-pass type I membrane protein

Tissue Location

Ubiquitous..

MHC Class I Rabbit mAb - Protocols

Provided below are standard protocols that you may find useful for product applications.

- [Western Blot](#)
- [Blocking Peptides](#)
- [Dot Blot](#)
- [Immunohistochemistry](#)
- [Immunofluorescence](#)
- [Immunoprecipitation](#)
- [Flow Cytometry](#)
- [Cell Culture](#)

MHC Class I Rabbit mAb - Images



