

Datasheet for ABIN1713559 anti-MHC, Class I antibody (AA 81-180)

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1 Image

Overview

Quantity:	100 µL
Target:	MHC, Class I
Binding Specificity:	AA 81-180
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MHC, Class I antibody is un-conjugated
Application:	Western Blotting (WB), ELISA, Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunofluorescence (Cultured Cells) (IF (cc)), Immunofluorescence (Paraffin-embedded Sections) (IF (p)), Immunohistochemistry (Paraffin-embedded Sections) (IHC (p)), Immunocytochemistry (ICC)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human MHC class I
Isotype:	IgG
Cross-Reactivity:	Human
Predicted Reactivity:	Mouse,Rat
Purification:	Purified by Protein A.

Target Details

Target:	MHC, Class I
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Target Details

Alternative Name:	MHC class 1 (MHC, Class I Products)
Background:	<p>Synonyms: A 28, A 9, Aw 24, Aw 68, CLASS I HISTOCOMPATIBILITY ANTIGEN, H2 K1, H2K, HLA A, HLA-A, HLA C, HLA-C, HLA class I histocompatibility antigen A 1 alpha chain, HLA class I histocompatibility antigen A 11 alpha chain, HLA class I histocompatibility antigen A 2 alpha chain, HLA class I histocompatibility antigen A 24 alpha chain, HLA class I histocompatibility antigen A 3 alpha chain, HLA class I histocompatibility antigen A 30 alpha chain, HLA class I histocompatibility antigen A 32 alpha chain, HLA class I histocompatibility antigen A 68 alpha chain, HLAA, Major histocompatibility complex class I A, MHC class I heavy chain H2 K, 1C04_HUMAN.</p> <p>Background: HLA-A belongs to the HLA class I heavy chain paralogues. This class I molecule is a heterodimer consisting of a heavy chain and a light chain (beta-2 microglobulin). The heavy chain is anchored in the membrane. Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. They are expressed in nearly all cells. The heavy chain is approximately 45 kDa and its gene contains 8 exons. Exon 1 encodes the leader peptide, exons 2 and 3 encode the alpha1 and alpha2 domains, which both bind the peptide, exon 4 encodes the alpha3 domain, exon 5 encodes the transmembrane region, and exons 6 and 7 encode the cytoplasmic tail. Polymorphisms within exon 2 and exon 3 are responsible for the peptide binding specificity of each class one molecule. Typing for these polymorphisms is routinely done for bone marrow and kidney transplantation. Hundreds of HLA-A alleles have been described. [provided by RefSeq, Jul 2008]</p>
UniProt:	G0ZMJ8

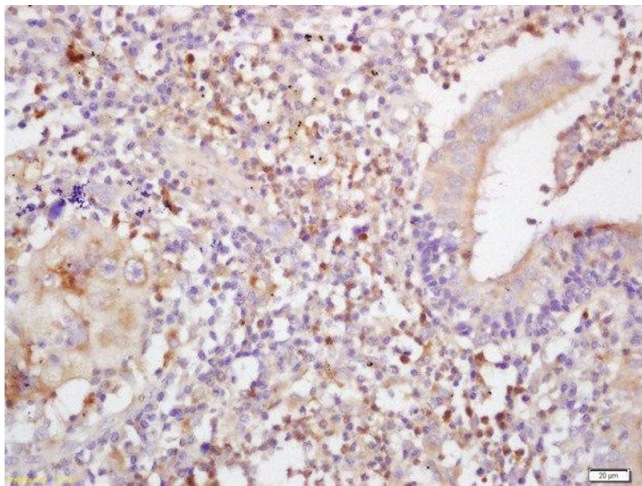
Application Details

Application Notes:	WB 1:300-5000 ELISA 1:500-1000 IHC-P 1:200-400 IHC-F 1:100-500 IF(IHC-P) 1:50-200 IF(IHC-F) 1:50-200 IF(ICC) 1:50-200 ICC 1:100-500
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	1 µg/µL
Buffer:	0.01M TBS(pH 7.4) with 1 % BSA, 0.02 % Proclin300 and 50 % Glycerol.
Preservative:	ProClin
Precaution of Use:	This product contains ProClin: a POISONOUS AND HAZARDOUS SUBSTANCE, which should be handled by trained staff only.
Storage:	4 °C,-20 °C
Storage Comment:	Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Expiry Date:	12 months

Images



Immunohistochemistry (Paraffin-embedded Sections)

Image 1. Formalin-fixed and paraffin embedded human lung carcinoma labeled with Anti-MHC Class I Polyclonal Antibody, Unconjugated (ABIN1713559) at 1:200 followed by conjugation to the secondary antibody and DAB staining