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Datasheet for ABIN5006836

anti-MHC, Class I antibody (AA 51-150) (Alexa Fluor 680)

Overview

Quantity:	100 µL
Target:	MHC, Class I
Binding Specificity:	AA 51-150
Reactivity:	Human
Host:	Rabbit
Clonality:	Polyclonal
Conjugate:	This MHC, Class I antibody is conjugated to Alexa Fluor 680
Application:	Flow Cytometry (FACS), Western Blotting (WB)

Product Details

Immunogen:	KLH conjugated synthetic peptide derived from human HLA-A
Isotype:	IgG
Cross-Reactivity:	Human
Purification:	Purified by Protein A.

Target Details

Target:	MHC, Class I
Alternative Name:	MHC class 1 (MHC, Class I Products)
Background:	Synonyms: MHC-1, MHC1, MHC 1, A 28, A 9, Aw 24, Aw 68, CLASS I HISTOCOMPATIBILITY ANTIGEN, H2 K1, H2K, HLA A, HLA class I histocompatibility antigen A 1 alpha chain, HLA class

Target Details

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.

Background: MHC Class I molecules play a central role in the immune system by presenting peptides derived from the endoplasmic reticulum lumen. MHC class I antigens are heterodimers consisting of one alpha chain (44 kDa) with beta 2 microglobulin (11.5 kDa). The antigen is expressed by all somatic cells at varying levels. MHC Class I molecules are expressed on most nucleated cells where they present endogenously synthesized antigenic peptides to CD8+ T lymphocytes, which are usually cytotoxic T cells. Fibroblasts or neurons however only show a low level of antigen.

Gene ID: 93649

Application Details

Application Notes: FCM 1:20-100

Restrictions: For Research Use only

Handling

Format: Liquid

Concentration: 1 µg/µL

Buffer: Aqueous buffered solution containing 0.01M TBS (pH 7.4) with 1 % BSA, 0.03 % 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: -20 °C

Storage Comment: Store at -20°C. Aliquot into multiple vials to avoid repeated freeze-thaw cycles.

Expiry Date: 12 months