abcam

Product datasheet

FITC Anti-MHC class I antibody [34-1-2S] ab95572

3 References   **1 Image**

Overview

Product name	FITC Anti-MHC class I antibody [34-1-2S]
Description	FITC Mouse monoclonal [34-1-2S] to MHC class I
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Specificity	ab95572 reacts with the mouse MHC class I, H-2Kd and H-2Dd. This cytotoxic antibody also cross reacts with K b,s,r,q,p
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse MHC class I. C3H.SW Mouse splenocytes
Positive control	Mouse splenocytes
General notes	The Life Science industry has been in the grips of a reproducibility crisis for a number of years. Abcam is leading the way in addressing this with our range of recombinant monoclonal antibodies and knockout edited cell lines for gold-standard validation. Please check that this product meets your needs before purchasing.

If you have any questions, special requirements or concerns, please send us an inquiry and/or contact our Support team ahead of purchase. Recommended alternatives for this product can be found below, along with publications, customer reviews and Q&As |

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	pH: 7.20
Preservative: 0.09% Sodium azide
Constituents: 0.87% Sodium chloride, PBS
Purity	Protein G purified
Clonality	Monoclonal
Clone number	34-1-2S
Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee   Our **Abpromise guarantee** covers the use of ab95572 in the following tested applications.

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

| Application	Abreviews	Notes
Flow Cyt		Use 1µg for 10^{5-8} cells. Staining the cell sample in a final volume of 100 µL is recommended.

Target

Relevance   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 (44kDa) 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.

Cellular localization   Cell Membrane; Type I membrane protein.

Images

Flow Cytometry - FITC Anti-MHC class I antibody
[34-1-2S] (ab95572)
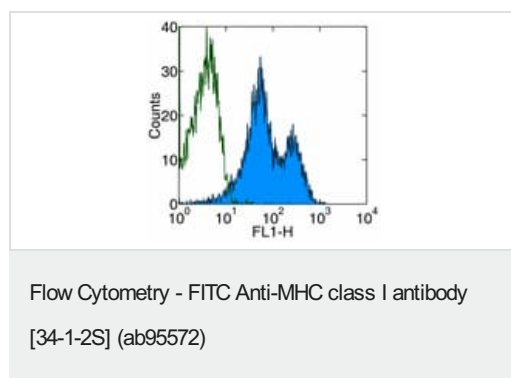
Flow cytometric analysis of Mouse splenocytes labelled with ab95572 at 1 µg/test (blue histogram) or with an isotype control (open histogram).

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