

## Product datasheet

# Anti-MHC class I antibody [F21-2] (FITC) ab24881

★★★★★ 1 Abreviews 1 References 2 Images

### Overview

<b>Product name</b>	Anti-MHC class I antibody [F21-2] (FITC)
<b>Description</b>	Mouse monoclonal [F21-2] to MHC class I (FITC)
<b>Host species</b>	Mouse
<b>Conjugation</b>	FITC. Ex: 493nm, Em: 528nm
<b>Specificity</b>	Monomorphic epitope on avian MHC Class I molecules
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt, IP, WB, IHC-Fr
<b>Species reactivity</b>	<b>Reacts with:</b> Chicken, Turkey
<b>Immunogen</b>	The details of the immunogen for this antibody are not available.
<b>Positive control</b>	Chicken peripheral blood mononuclear cells

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C.
<b>Storage buffer</b>	Preservative: 0.1% Sodium Azide Constituents: PBS
<b>Purity</b>	IgG fraction
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	F21-2
<b>Isotype</b>	IgG1
<b>Light chain type</b>	kappa

### Applications

Our [Abpromise guarantee](#) covers the use of **ab24881** 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
-------------	-----------	-------

Application	Abreviews	Notes
Flow Cyt	★★★★★	Use 1µg for 10 <sup>6</sup> cells. <a href="#">ab106163</a> - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 68 kDa.
IHC-Fr		Use at an assay dependent concentration.

## Target

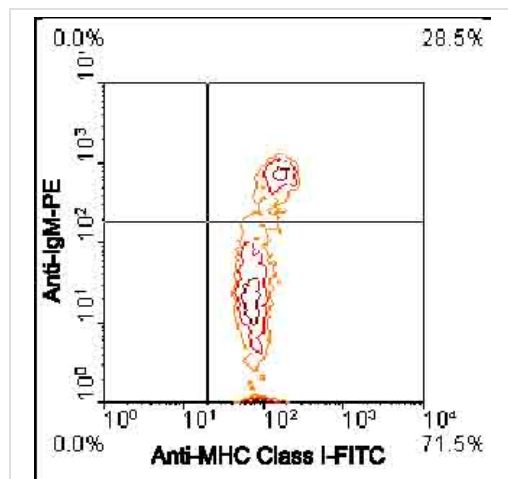
### Relevance

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

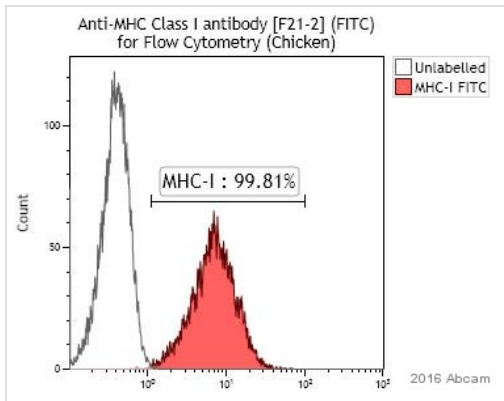
Cell Membrane; Type I membrane protein.

## Images



Chicken peripheral blood mononuclear cells were double-stained with mouse anti-chicken MHC Class I-FITC and mouse anti-chicken IgM-PE. The small lymphocytes were then gated and analyzed on a FACScan flow cytometer

Flow Cytometry - MHC class I antibody [F21-2] (FITC) (ab24881)



Flow Cytometry - Anti-MHC class I antibody [F21-2] (FITC) (ab24881)

This image is courtesy of an Abreview by Waldo Medina.

ab24881 staining MHC class I antibody in chicken peripheral blood mononuclear cells (PBMC), purified by density gradient centrifugation in a PBS - FBS 10% - NaN<sub>3</sub> 0.1% buffer. The sample was incubated with the primary antibody for 30 minutes at 4°C. A secondary was not used.

Gating Strategy: SS vs FS.

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

### Our Abpromise to you: Quality guaranteed and expert technical support

- Replacement or refund for products not performing as stated on the datasheet
- Valid for 12 months from date of delivery
- Response to your inquiry within 24 hours
- We provide support in Chinese, English, French, German, Japanese and Spanish
- Extensive multi-media technical resources to help you
- We investigate all quality concerns to ensure our products perform to the highest standards

If the product does not perform as described on this datasheet, we will offer a refund or replacement. For full details of the Abpromise, please visit <http://www.abcam.com/abpromise> or contact our technical team.

### Terms and conditions

- Guarantee only valid for products bought direct from Abcam or one of our authorized distributors