

Product datasheet

FITC Anti-MHC class II I E kappa antibody [14-4-4S] ab25023

[1 References](#) [1 Image](#)

Overview

Product name	FITC Anti-MHC class II I E kappa antibody [14-4-4S]
Description	FITC Mouse monoclonal [14-4-4S] to MHC class II I E kappa
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Specificity	ab25023 recognises MHC class II I E kappa alloantigen on cells from mice of the H-2d, H-2p, and H-2r haplotypes. It cross reacts with alloantigen RT1D. Cells from mice of the H-2b, H-2f, H-2q, and H-2s haplotypes do not express this antigen.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse MHC class II I E kappa. C3H mouse skin graft and splenocytes
General notes	<p>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.</p> <p>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</p>

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: PBS</p>
Purity	Affinity purified
Clonality	Monoclonal
Clone number	14-4-4S

Isotype	IgG2a
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab25023 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		

Application notes

BL: Use at an assay dependent dilution for in vitro blocking of antigen presentation.
Flow Cyt: Use 1µg for 10⁶ cells.
FuncS: Use at an assay dependent dilution for complement dependent cytotoxicity studies and in vitro induction of antigen specific B cell differentiation.
IHC-Fr: Use at an assay dependent dilution.
IP: Use at an assay dependent dilution.

Not yet tested in other applications.
Optimal dilutions/concentrations should be determined by the end user.

Target

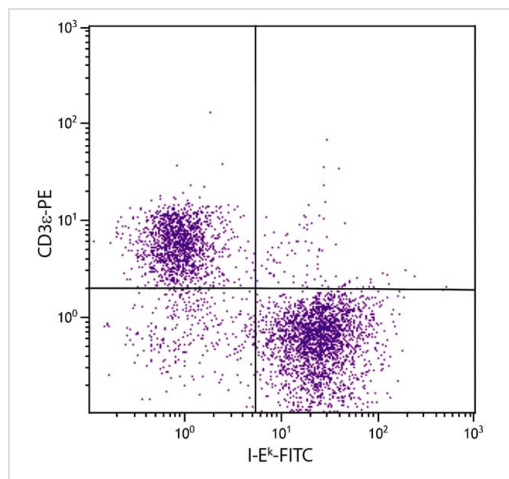
Relevance

A major histocompatibility complex class II receptor. These display processed antigens from virally infected or transformed cells. Class II positive cells ('antigen presenting cells') can take up antigens from outside by endocytosis, degrade them into small peptides, and re export the peptides (now bound to MHC class II protein) to the cell surface. These peptide MHC class II complexes can then be recognized by specific CD4+ lymphocytes.

Cellular localization

Type I membrane protein

Images



Flow Cytometry - FITC Anti-MHC class II I E kappa antibody [14-4-4S] (ab25023)

Flow cytometry analysis staining MHC class II I E kappa in mouse splenocytes using ab25023 at a dilution of 1 ug/10⁶ cells.

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES"

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