abcam

Product datasheet

PE Anti-MHC class II I E kappa antibody [14-4-4S] ab25585

5 References 1 Image

Overview

Product name	PE Anti-MHC class II I E kappa antibody [14-4-4S]
Description	PE Mouse monoclonal [14-4-4S] to MHC class II I E kappa
Host species	Mouse
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	This antibody is specific to an epitope on mouse I-E kappa MHC class II alloantigen. The antibody reacts with the I-E kappa class II alloantigen on cells from mice of the H-2^d, H-2^p, and H-2^r haplotypes. The antibody has also been reported to crossreact with the rat class II alloantigen RT1D.
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Mouse
Immunogen	Tissue/ cell preparation: C3H mouse skin graft and splenocytes.
Positive control	Flow Cyt: AKR 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. Store In the Dark.
Storage buffer	pH: 7.3 Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose Also contains a stabilizing agent.

Purity	Protein A 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 ab25585 in the following tested applications.

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

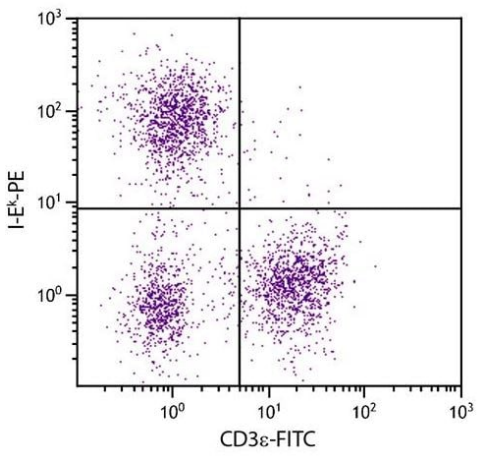
Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration.

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 - PE Anti-MHC class II I E kappa antibody [14-4-4S] (ab25585)

Flow cytometric analysis of AKR mouse splenocytes labeling MHC class II E kappa using ab25585 at 0.1 µg/10^6 cells in 100 µl. CD3ε is labeled using a Rat Anti-Mouse CD3ε (FITC) antibody.

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