

## Product datasheet

# Biotin Anti-MHC class II I E kappa antibody [14-4-4S] ab93504

## 4 References

### Overview

<b>Product name</b>	Biotin Anti-MHC class II I E kappa antibody [14-4-4S]
<b>Description</b>	Biotin Mouse monoclonal [14-4-4S] to MHC class II I E kappa
<b>Host species</b>	Mouse
<b>Conjugation</b>	Biotin
<b>Specificity</b>	ab93504 reacts with the mouse and rat MHC Class II, I-E subregion-encoded glycoprotein in mice strains of H-2k, H-2d, H-2p and H-2r. H-2f and H-2s haplotypes do not express the I-E antigen.
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Mouse, Rat
<b>Immunogen</b>	<p><b>This product was produced with the following immunogens:</b></p> <p>Tissue, cells or virus corresponding to Mouse MHC class II I E kappa. C3H mouse skin graft</p> <p>Tissue, cells or virus corresponding to Mouse MHC class II I E kappa. Mouse splenocytes</p>
<b>Positive control</b>	Mouse splenocytes
<b>General notes</b>	<p>The 14-4-4S monoclonal antibody has been reported to block antigen presentation in <i>in vitro</i> assays.</p> <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&amp;As</p>

### Properties

<b>Form</b>	Liquid
<b>Storage instructions</b>	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

<b>Storage buffer</b>	Preservative: 0.09% Sodium azide Constituents: 0.87% Sodium chloride, PBS
<b>Purity</b>	Protein G purified
<b>Primary antibody notes</b>	The 14-4-4S monoclonal antibody has been reported to block antigen presentation in <i>in vitro</i> assays.
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	14-4-4S
<b>Isotype</b>	IgG2a
<b>Light chain type</b>	kappa

## Applications

**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab93504 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
<b>Flow Cyt</b>		Use at an assay dependent concentration. <b>ab18454</b> - Mouse monoclonal IgG2a, is suitable for use as an isotype control with this antibody.

## Target

<b>Relevance</b>	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.
<b>Cellular localization</b>	Type I membrane protein

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

## 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 <https://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