abcam

Product datasheet

FITC Anti-TCR gamma + TCR delta antibody [5A6.E91] ab171110

1 References 2 Images

Overview

Product name	FITC Anti-TCR gamma + TCR delta antibody [5A6.E91]
Description	FITC Mouse monoclonal [5A6.E91] to TCR gamma + TCR delta
Host species	Mouse
Conjugation	FITC. Ex: 493nm, Em: 528nm
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Human
Immunogen	Full length protein corresponding to Human TCR gamma + TCR delta. Native protein
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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	Preservative: 0.1% Sodium azide Constituents: PBS, 0.5% BSA, Glycerol (glycerin, glycerine)
Purity	Protein A purified
Clonality	Monoclonal
Clone number	5A6.E91
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab171110 in the following tested applications.

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

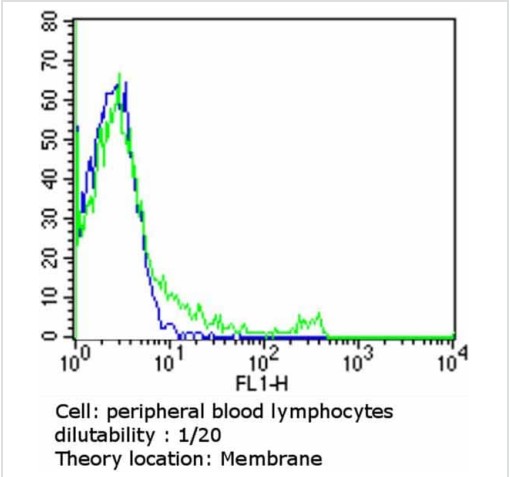
Application	Abreviews	Notes
Flow Cyt		1/20. **ab91356** - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Target

Relevance T cell receptors (TCR) recognize foreign antigens which have been processed as small peptides and bound to major histocompatibility complex (MHC) molecules at the surface of antigen presenting cells (APC). Each T cell receptor is a dimer consisting of one a and one b chain or one d and one g chain. This region represents the germline organization of the T cell receptor beta locus. The beta locus includes V (variable), J (joining), diversity (D), and C (constant) segments. During T cell development, the beta chain is synthesized by a recombination event at the DNA level joining a D segment with a J segment; a V segment is then joined to the D-J gene. The C segment is later joined by splicing at the RNA level. The g/d TCR associates with CD3 and is expressed on a T cell subset found in the thymus, the intestinal epithelium, and the peripheral lymphoid tissues and peritoneum. Most g/d T cells are CD4-/CD8-, some are CD8+. T cells expressing the g/d TCR have been shown to play a role in oral tolerance, tumor-associated tolerance, and autoimmune disease.

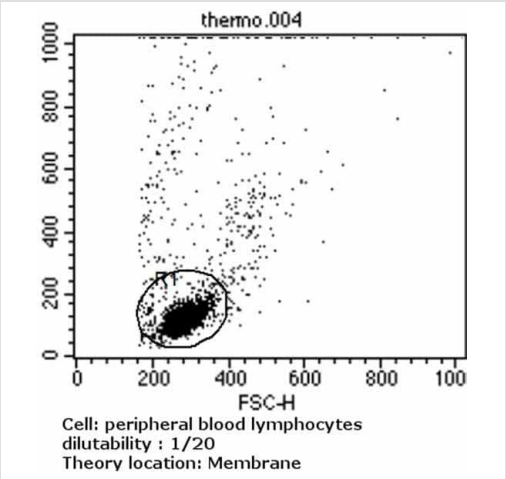
Cellular localization Type I membrane protein

Images



Flow Cytometry - FITC Anti-TCR gamma + TCR delta antibody [5A6.E91] (ab171110)

Flow cytometry analysis of TCR gamma + TCR delta showing positive staining in the membrane of peripheral blood mononuclear cells compared to an isotype control (blue). Human blood was collected and combined with a hydrophilic polysaccharide then centrifuged. Samples transferred to a conical tube and washed with PBS. 50 ul of cell solution was added to each tube at a dilution of 2x10^7 cells/ml and 50 ul of isotype control and ab171110 at 1:20 added. Cells were incubated for 30 min at 4°C and washed with a cell buffer and incubated with a DyLight 488-conjugated goat anti-mouse IgG (H+L) secondary for 30 min at 4°C in the dark. FACS analysis was performed using 400 ul of cell buffer.



Flow Cytometry - FITC Anti-TCR gamma + TCR delta antibody [5A6.E91] (ab171110)

Flow cytometry analysis of TCR gamma + TCR delta showing positive staining in the membrane of peripheral blood mononuclear cells compared to an isotype control (blue). Human blood was collected and combined with a hydrophilic polysaccharide then centrifuged. Samples were transferred to a conical tube and washed with PBS. 50 ul of cell solution was added to each tube at a dilution of 2x10^7 cells/ml and 50 ul of isotype control and ab171110 at 1:20 added. Cells were incubated for 30 min at 4°C and washed with a cell buffer and incubated with a DyLight 488-conjugated goat anti-mouse IgG (H+L) secondary for 30 min at 4°C in the dark. FACS analysis was performed using 400 ul of cell buffer.

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