abcam

Product datasheet

Anti-TCR gamma + TCR delta antibody [V65] ab114983

1 Image

Overview

Product name	Anti-TCR gamma + TCR delta antibody [V65]
Description	Mouse monoclonal [V65] to TCR gamma + TCR delta
Host species	Mouse
Tested applications	**Suitable for:** Flow Cyt
Species reactivity	**Reacts with:** Rat
Immunogen	Tissue, cells or virus corresponding to Rat TCR gamma + TCR delta. TCR alpha/beta-negative CD3-positive Rat T cell hybridoma III.89.1.4 line.
Positive control	Flow Cyt: Rat 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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term.
Storage buffer	pH: 7.40 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Protein A purified
Purification notes	ab114983 was purified from cell culture supernatant by protein A affinity chromatography. Purity is > 95% (by SDS-PAGE).
Clonality	Monoclonal
Clone number	V65
Isotype	IgG1

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab114983 in the following tested applications.

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

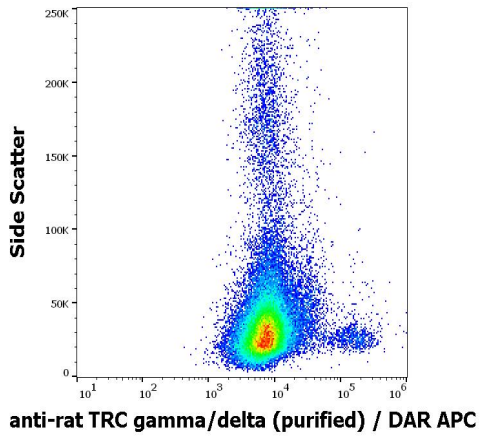
Application	Abreviews	Notes
Flow Cyt		Use a concentration of 1 µg/ml.

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 - Anti-TCR gamma + TCR delta antibody [V65] (ab114983)

Flow cytometry analysis of rat splenocytes labeling TCR gamma + TCR delta with ab114983 0.6 µg/mL.

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