

Product datasheet

PE Anti-TCR gamma + TCR delta antibody [UC7-13D5] ab25663

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

Overview

Product name	PE Anti-TCR gamma + TCR delta antibody [UC7-13D5]
Description	PE Armenian hamster monoclonal [UC7-13D5] to TCR gamma + TCR delta
Host species	Armenian hamster
Conjugation	PE. Ex: 488nm, Em: 575nm
Specificity	ab25663 is specific for the gamma-delta heterodimer and plate-bound ab25663 activates gamma-delta TRC-bearing cells. This antibody does not react with alpha-beta TCR-expressing T cells.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to TCR gamma + TCR delta. Mouse T cell clone G8
Positive control	Flow Cyt: C57BL/6 mouse mesenteric lymph node cells.
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. Do Not Freeze. Store In the Dark.
Storage buffer	<p>pH: 7.3</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituent: PBS</p>
Purity	Affinity purified
Clonality	Monoclonal
Clone number	UC7-13D5

Isotype

IgG

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab25663 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

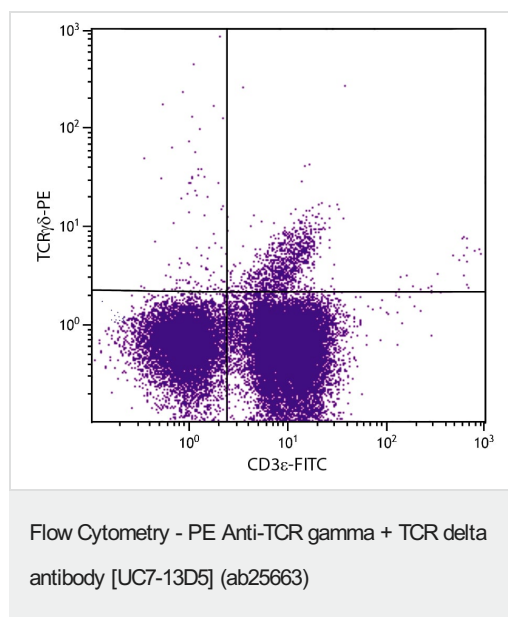
Relevance

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 α and one β chain or one δ and one γ 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 γ/δ 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 γ/δ T cells are CD4⁻/CD8⁻, some are CD8⁺. T cells expressing the γ/δ 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 cytometric analysis of C57BL/6 mouse mesenteric lymph node cells labeling TCR gamma + TCR delta using ab25663 at 0.3 $\mu\text{g}/10^6$ cells. CD3 ϵ is labeled using a Rat Anti-Mouse CD3 ϵ (FITC) antibody.

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

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