

Product datasheet

PE/Cy5® Anti-TCR gamma + TCR delta antibody [GL3] ab95737

[1 Image](#)

Overview

Product name	PE/Cy5® Anti-TCR gamma + TCR delta antibody [GL3]
Description	PE/Cy5® Armenian hamster monoclonal [GL3] to TCR gamma + TCR delta
Host species	Armenian hamster
Conjugation	PE/Cy5®. Ex: 496nm, Em: 670nm
Specificity	ab95737 does not react with TCR alpha or beta.
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to Mouse TCR gamma + TCR delta. C57BL/6J intra epithelial lymphocytes.
Positive control	Mouse C57Bl/6 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.
Storage buffer	<p>pH: 7.20</p> <p>Preservative: 0.09% Sodium azide</p> <p>Constituents: 0.87% Sodium chloride, PBS</p>
Purity	Protein G purified
Clonality	Monoclonal
Clone number	GL3

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab95737 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		<p>Use 0.5µg for 10⁵⁻⁸ cells.</p> <p>A final volume of 100 µL is recommended for staining the cell sample.</p> <p>ab157805 - Armenian Hamster polyclonal IgG, is suitable for use as an isotype control with this antibody.</p>

Target

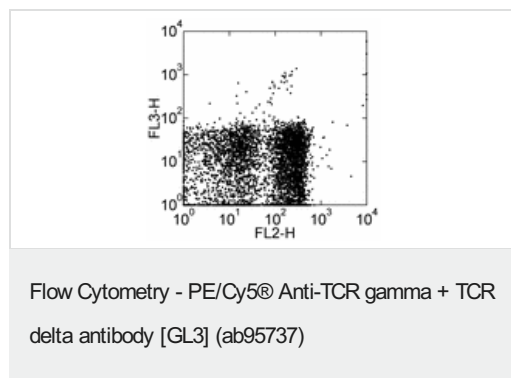
Relevance

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



ab95737, at 0.5 µg, staining TCR gamma + TCR delta in C57Bl/6 lymph node cells by Flow Cytometry. Cells in the lymphocyte gate were used for analysis.

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