

Product datasheet

Biotin Anti-TCR gamma + TCR delta antibody [UC7-13D5] ab25209

1 References

Overview

Product name	Biotin Anti-TCR gamma + TCR delta antibody [UC7-13D5]
Description	Biotin Armenian hamster monoclonal [UC7-13D5] to TCR gamma + TCR delta
Host species	Armenian hamster
Conjugation	Biotin
Specificity	ab25209 is specific for the gamma-delta heterodimer and plate-bound ab25209 activates gamma-delta TCR bearing cells. This antibody does not react with alpha-beta TCR-expressing T cells.
Tested applications	Suitable for: IHC-Fr, IP, Flow Cyt, Functional Studies
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to TCR gamma + TCR delta. Mouse T cell clone G8
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 short term (1-2 weeks). Upon delivery aliquot. Store at -20°C long term. Avoid freeze / thaw cycle. Store In the Dark.
Storage buffer	<p>pH: 7.4</p> <p>Preservative: 0.1% Sodium azide</p> <p>Constituent: PBS</p>
Purity	Affinity purified
Clonality	Monoclonal
Clone number	UC7-13D5

Applications

The Abpromise guarantee

Our **Abpromise guarantee** covers the use of ab25209 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
IHC-Fr		Use at an assay dependent concentration.
IP		Use at an assay dependent concentration.
Flow Cyt		Use at an assay dependent concentration.
Functional Studies		Use at an assay dependent concentration. In vitro activation of gamma-delta TCR-bearing cells and depletion of gamma-delta TCR-expressing cells.

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

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