

Product datasheet

Anti-TCR gamma + TCR delta antibody [TCR1] (Phycoerythrin) ab25423

1 Image

Overview

Product name	Anti-TCR gamma + TCR delta antibody [TCR1] (Phycoerythrin)
Description	Mouse monoclonal [TCR1] to TCR gamma + TCR delta (Phycoerythrin)
Host species	Mouse
Conjugation	Phycoerythrin. Ex: 488nm, Em: 575nm
Specificity	ab25423 recognises TCR gamma and TCR delta.
Tested applications	Suitable for: Flow Cyt, IP, IHC-Fr, Functional Studies
Species reactivity	Reacts with: Chicken
Immunogen	The details of the immunogen for this antibody are not available.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C.
Storage buffer	Preservative: 0.09% Sodium azide Constituents: PBS, 16% Sucrose
	Stabilising agent.
Purity	IgG fraction
Clonality	Monoclonal
Clone number	TCR1
Isotype	IgG1
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab25423** 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		
IP		
IHC-Fr		
Functional Studies		

Application notes

Flow Cyt: Use 0.2µg for 10⁶ cells.
 FuncS: Use at an assay dependent dilution.
 ab25423 can be used for in ovo depletion of gd T cells.
 IHC-Fr: Use at an assay dependent dilution.
 Note: samples need to be acetone fixed.
 IP: Use at an assay dependent dilution.

Not yet tested in other applications.
 Optimal dilutions/concentrations should be determined by the end user.

Target

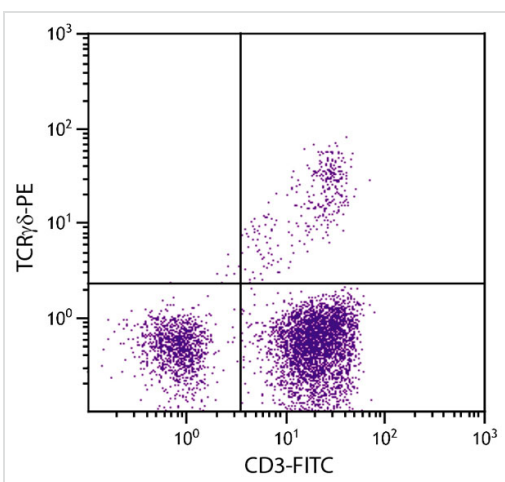
Relevance

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 analysis staining TCR gamma + TCR delta in chicken peripheral blood mononuclear cells using ab25423 at a dilution of 0.1 ug/10⁶ cells.

Flow Cytometry - Anti-TCR gamma + TCR delta antibody [TCR1] (Phycoerythrin) (ab25423)

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