

Product datasheet

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

1 Image

Overview

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

Properties

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

Applications

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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 10<sup>6</sup> 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

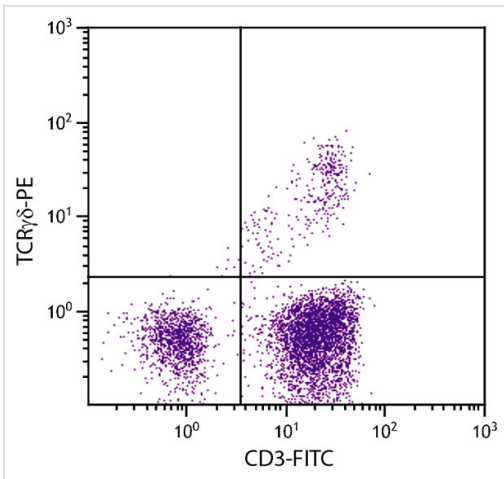
##### Relevance

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/10<sup>6</sup> cells.

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

**Please note:** All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE"

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