

## Product datasheet

# Anti-TCR V delta 1 antibody [TS8.2] ab171113

[1 Image](#)

### Overview

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<b>Product name</b>	Anti-TCR V delta 1 antibody [TS8.2]
<b>Description</b>	Mouse monoclonal [TS8.2] to TCR V delta 1
<b>Host species</b>	Mouse
<b>Tested applications</b>	<b>Suitable for:</b> Flow Cyt
<b>Species reactivity</b>	<b>Reacts with:</b> Human
<b>Immunogen</b>	Full length protein corresponding to Human TCR V delta 1. Native protein
<b>General notes</b>	<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&amp;As</p>

### Properties

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<b>Form</b>	Liquid
<b>Storage instructions</b>	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.
<b>Storage buffer</b>	Preservative: 0.1% Sodium azide Constituents: PBS, 0.5% BSA
<b>Purity</b>	Protein G purified
<b>Clonality</b>	Monoclonal
<b>Clone number</b>	TS8.2
<b>Isotype</b>	IgG1

### Applications

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**The Abpromise guarantee** Our **Abpromise guarantee** covers the use of ab171113 in the following tested applications. The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

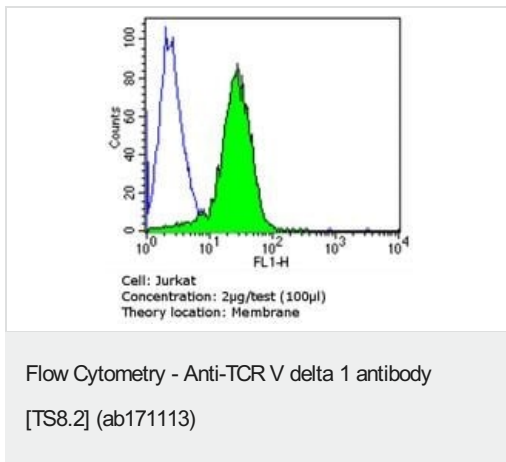
Application	Abreviews	Notes
Flow Cyt		Use at an assay dependent concentration. 2 µg/ Test

## Target

### Relevance

Two distinct types of T cell antigen receptors have been identified: the alpha/beta heterodimer found on functional helper and cytotoxic T cells, and the gamma/delta heterodimer. The latter is first detected approximately 2 days before the appearance of cell surface alpha/beta heterodimer during T cell ontogeny. In adult thymus it is found mainly in the least mature cells. The gene shows systematic rearrangement in early thymocytes and appears to use V gene segments of the TCR alpha chain family, well before any C(alpha) message of protein is detected. RNA from this locus is expressed at a high level in early thymocytes and adult 'double-negative' cells, but not in mature T cell populations.

## Images



Flow cytometry analysis of TCR V delta 1 in Jurkat cells (green) compared to an isotype control (blue). Cells were harvested, adjusted to a concentration of  $1-5 \times 10^6$  cells/ml, fixed with 2% paraformaldehyde and washed with PBS. Cells were blocked with a 2% solution of BSA-PBS for 30 min at room temperature and incubated with a TCR V delta 1 monoclonal antibody (ab171113) at a dilution of 2 µg/test for 60 min at room temperature. Cells were then incubated for 40 min at room temperature in the dark using a Dylight 488-conjugated goat anti-mouse IgG (H+L) secondary antibody and re-suspended in PBS for FACS analysis.

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

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- We investigate all quality concerns to ensure our products perform to the highest standards

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