

Biotin Anti-CD3 epsilon antibody [C363.29B (YCD3-1)] ab25688

Overview

Product name	Biotin Anti-CD3 epsilon antibody [C363.29B (YCD3-1)]
Description	Biotin Rat monoclonal [C363.29B (YCD3-1)] to CD3 epsilon
Host species	Rat
Conjugation	Biotin
Specificity	In the presence of Fc receptor bearing accessory cells, this antibody can activate primed and naïve T cell in vitro. When immobilized it can also activate both normal T lymphocytes and cloned T cell lines provided the appropriate accessory signals are present.
Tested applications	Suitable for: IP, Flow Cyt, Functional Studies
Species reactivity	Reacts with: Mouse
Immunogen	Tissue, cells or virus corresponding to CD3 epsilon. IL-4 producing Th2 cell lines including D10
Epitope	This antibody recognises an epitope on the 25kDa epsilon chain of the CD3/TCR complex.
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	pH: 7.4 Preservative: 0.1% Sodium azide Constituent: PBS
Purity	Affinity purified
Clonality	Monoclonal
Clone number	C363.29B (YCD3-1)

Isotype	IgG2b
Light chain type	kappa

Applications

The Abpromise guarantee Our **Abpromise guarantee** covers the use of ab25688 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
IP		Use at an assay dependent concentration.
Flow Cyt		Use 3µg for 10 ⁶ cells. ab18542 - Rat monoclonal IgG2b, is suitable for use as an isotype control with this antibody.
Functional Studies		Use at an assay dependent concentration. In vitro depletion of CD3+ cells & In vitro activation of T cells (accessory cells must be provided).

Target

Function	The CD3 complex mediates signal transduction.
Sequence similarities	Contains 1 Ig-like (immunoglobulin-like) domain. Contains 1 ITAM domain.
Cellular localization	Membrane.

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

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