

Product datasheet

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

Overview

Product name	Anti-CD3 epsilon antibody [C363.29B (YCD3-1)] (Biotin)
Description	Rat monoclonal [C363.29B (YCD3-1)] to CD3 epsilon (Biotin)
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: Flow Cyt, IP
Species reactivity	Reacts with: Mouse
Immunogen	The details of the immunogen for this antibody are not available.
Epitope	This antibody recognises an epitope on the 25kDa epsilon chain of the CD3/TCR complex.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.
Storage buffer	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

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
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Flow Cyt

IP

Application notes

Flow Cyt: Use 3µg for 10⁶ cells.

IP: Use at an assay dependent dilution.

In vitro depletion of CD3+ cells: Use at an assay dependent dilution.

In vitro activation of T cells (accessory cells must be provided): Use at an assay dependent dilution.

Not yet tested in other applications.

Optimal dilutions/concentrations should be determined by the end user.

Target

Function

The CD3 complex mediates signal transduction.

Sequence similarities

Contains 1 Ig-like (immunoglobulin-like) domain.

Contains 1 ITAM domain.

Cellular localization

Membrane.

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