

Product datasheet

Anti-CD3 epsilon antibody [145-2C11] (Biotin-maleimide) ab25172

2 References 1 Image

Overview

Product name	Anti-CD3 epsilon antibody [145-2C11] (Biotin-maleimide)
Description	Armenian Hamster monoclonal [145-2C11] to CD3 epsilon (Biotin-maleimide)
Host species	Armenian hamster
Conjugation	Biotin-maleimide
Specificity	ab25172 recognises Mouse CD3 epsilon (Mr 25 kDa).
Tested applications	Suitable for: Functional Studies, Flow Cyt, IP, WB, Cellular Activation
Species reactivity	Reacts with: Mouse
Immunogen	H-2K ^b -specific mouse cytotoxic T lymphocyte clone BM10-37.
Epitope	ab25172 recognizes an epitope on the 25kD epsilon chain of the CD3/TCR complex.
General notes	<p>In the presence of Fc receptor-bearing accessory cells, soluble ab25172 can activate primed and naïve T cell in vitro and can also induce redirected lysis of specific target cells by CTL clones and it can block lysis of specific target cells by antigen-specific CTL's. Immobilized ab25172 can activate both normal T lymphocytes and cloned T cell lines. Under certain conditions, T cell activation by 145-2C11 may result in apoptotic cell death.</p>

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	IgG fraction
Primary antibody notes	<p>In the presence of Fc receptor-bearing accessory cells, soluble ab25172 can activate primed and naïve T cell in vitro and can also induce redirected lysis of specific target cells by CTL clones and it can block lysis of specific target cells by antigen-specific CTL's. Immobilized ab25172 can activate both normal T lymphocytes and cloned T cell lines. Under certain conditions, T cell activation by 145-2C11 may result in apoptotic cell death.</p>

Clonality	Monoclonal
Clone number	145-2C11
Isotype	IgG
Light chain type	kappa

Applications

Our [Abpromise guarantee](#) covers the use of **ab25172** in the following tested applications.

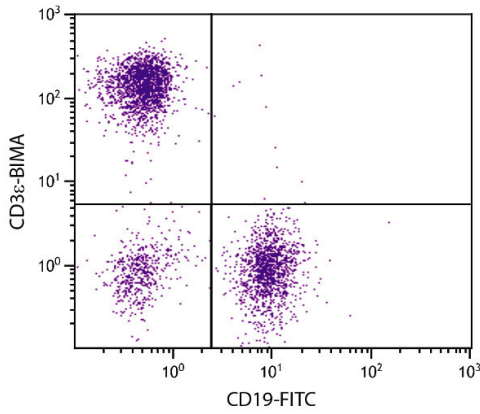
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

Application	Abreviews	Notes
Functional Studies		Use at an assay dependent concentration. In vitro depletion of CD3+ cells.
Flow Cyt		Use 3µg for 10 ⁶ cells.
IP		Use at an assay dependent concentration.
WB		Use at an assay dependent concentration. Predicted molecular weight: 23 kDa.
Cellular Activation		Use at an assay dependent concentration. In vitro activation of T cells.

Target

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

Images



Flow Cytometry analysis of BALB/c mouse splenocytes stained with Anti-CD3 epsilon antibody [145-2C11] (Biotin-maleimide) ab25172 (0.3 $\mu\text{g}/10^6$ cells), and Rat Anti-Mouse CD19-FITC followed by Streptavidin-PE.

Flow Cytometry - Anti-CD3 epsilon antibody [145-2C11] (Biotin-maleimide) (ab25172)

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