

Product datasheet

Anti-TCR beta antibody [H57-597] (Phycoerythrin)
ab236532

1 Image

Overview

Product name	Anti-TCR beta antibody [H57-597] (Phycoerythrin)
Description	Armenian hamster monoclonal [H57-597] to TCR beta (Phycoerythrin)
Host species	Armenian hamster
Conjugation	Phycoerythrin. Ex: 488nm, Em: 575nm
Tested applications	Suitable for: Flow Cyt
Species reactivity	Reacts with: Mouse
Immunogen	Other Immunogen Type corresponding to Mouse TCR beta. TCR affinity-purified from mouse T-cell hybridoma DO-11.10.
Positive control	Flow Cyt: Mouse splenocytes.

Properties

Form	Liquid
Storage instructions	Shipped at 4°C. Store at +4°C. Store In the Dark.
Storage buffer	pH: 7.2 Preservative: 0.09% Sodium azide Constituent: PBS
Purity	Affinity purified
Purification notes	Purified from supernatant from an in vitro cell culture of a cell hybridoma.
Clonality	Monoclonal
Clone number	H57-597
Isotype	IgG

Applications

Our [Abpromise guarantee](#) covers the use of **ab236532** in the following tested applications.

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

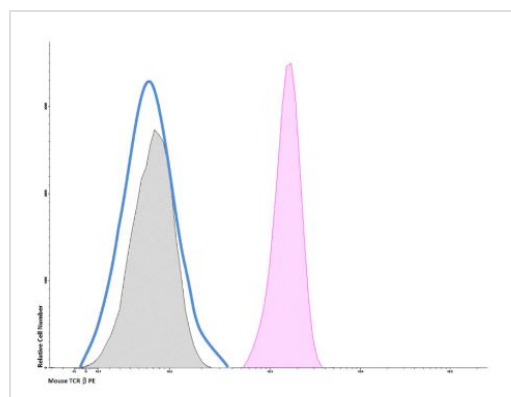
Application	Abreviews	Notes
Flow Cyt		Use 1µg for 10 ⁶ cells.

Target

Relevance TCR (T cell antigen receptor) recognizes foreign antigens and translates such recognition events into intracellular signals that elicit a change in the cell from a dormant to an activated state. TCR is a heterodimer composed of either alpha and beta or gamma and delta chains. The vast majority of circulating T cells (95%) express the alpha/beta heterodimer while roughly 2-5% express the gamma/delta heterodimer. CD3 chains and the CD4 or CD8 coreceptors are also required for efficient signal transduction through the TCR.

Cellular localization Plasma membrane.

Images



Flow cytometric analysis of mouse splenocytes labeling TCR beta with ab236532 at 1 µg/10⁶ cells compared with Phycoerythrin Armenian hamster IgG isotype control (blue histogram).

Flow Cytometry - Anti-TCR beta antibody [H57-597]
(Phycoerythrin) (ab236532)

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