

Datasheet for ABIN2689917

anti-TCR beta antibody

15 Publications

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Overview

Quantity:	0.5 mg
Target:	TCR beta
Reactivity:	Mouse
Host:	Armenian Hamster
Clonality:	Monoclonal
Conjugate:	This TCR beta antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunoprecipitation (IP), Western Blotting (WB), Immunohistochemistry (Frozen Sections) (IHC (fro)), Immunohistochemistry (Formalin-fixed Sections) (IHC (f)), Cytotoxicity Test (CyTox)

Product Details

Brand:	BD Pharmingen™
Immunogen:	TCR affinity-purified from mouse T-cell hybridoma DO-11.10
Clone:	H57
Isotype:	IgG2 lambda
Characteristics:	The H57-597 antibody reacts with a common epitope of the β chain of the T-cell Receptor (TCR) complex on $\alpha\beta$ TCR-expressing thymocytes and peripheral T lymphocytes and NK1.1+ thymocytes and NK-T cells of all mouse strains tested. It does not react with $\gamma\delta$ TCR-bearing T cells. In the fetal and adult thymus, the TCR β chain may form homodimers or pair with the pre-TCR α chain on the surface of immature thymocytes before expression of the TCR α chain. Plate-bound or soluble H57-597 antibody activates $\alpha\beta$ TCR-bearing T cells, and plate-bound mAb can

Product Details

induce apoptotic death. This antibody is routinely tested by flow cytometric analysis. Other applications were tested during antibody development only or reported in the literature.

BD Pharmingen™ Purified Hamster Anti-Mouse TCR β Chain - Purified - Clone H57-597 - Isotype Armenian Hamster IgG2, λ1 - Reactivity Ms - 0.5 mg

Purification: The monoclonal antibody was purified from tissue culture supernatant or ascites by affinity chromatography.

Target Details

Target: TCR beta

Alternative Name: TCR beta Chain ([TCR beta Products](#))

Application Details

Application Notes: Optimal working dilution should be determined by the investigator.

Restrictions: For Research Use only

Handling

Concentration: 0.5 mg/mL

Buffer: Aqueous buffered solution containing ≤0.09 % sodium azide.

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store undiluted at 4°C.

Publications

Product cited in: Kerti-Szigeti, Nusser: "Similar GABAA receptor subunit composition in somatic and axon initial segment synapses of hippocampal pyramidal cells." in: **eLife**, Vol. 5, (2016) ([PubMed](#)).

There are more publications referencing this product on: [Product page](#)