

Anti-mouse TCR beta Antibody (H57-597) | PA007520.hs

Catalog No.: PA007520.hs | Isotype: Armenian hamster IgG | In Vivo Grade

Recombinant Armenian hamster IgG isotype controls are available. Condition of sample preparation and optimal sample dilution should be determined experimentally by the investigator.

Product Specifications

Catalog No.	PA007520.hs
Product Name	In Vivo Grade Recombinant Anti-mouse TCR beta Monoclonal Antibody (Clone: H57-597), Armenian hamster IgG
Clone & Isotype	H57-597 Armenian hamster IgG
Synonyms	Tlb, TCRbeta
Applications	ELISA, neutralization, functional assays such as bioanalytical PK and ADA assays, and those assays for studying biological pathways affected by the mouse TCRβ protein.
Reactivity & Immunogen	Mouse TCRβ. Recombinant mouse TCRβ.
Immunogen / Host	The anti-mouse TCRβ monoclonal antibody (clone: H57-597) was produced in mammalian cells.
Purification	The in vivo grade recombinant anti-mouse TCRβ monoclonal antibody was affinity-purified by protein A.
Purity & Endotoxin	>95% by SDS-PAGE under reducing conditions and HPLC. < 1 EU per 1 mg of the protein by the LAL method.
Formulation	0.2 uM filtered solution, pH 7.4, no stabilizers or preservatives.
Stability & Storage	Use a manual defrost freezer and avoid repeated freeze-thaw cycles. 12 months from date of receipt, -20 to -70°C as supplied. 1 month from date of receipt, 2 to 8°C as supplied.

Biological Description & Background

The H57-597 monoclonal antibody reacts with the beta chain of the mouse T-cell receptor (TCR), expressed on thymocytes, peripheral T lymphocytes, and NKT cells. TCR beta participates in antigen recognition and T-cell activation, making this antibody a valuable tool for functional studies, depletion, and flow cytometry analysis of T-cell populations in murine models.

Ordering & Technical Support

For custom volume ordering or inquiries, please visit the product webpage or contact our support team:

- **Product Webpage:** <https://www.ushelf.com/anti-mouse-tcr-beta-antibody-pa007520-hs/>
- **Order Phone:** 1-617-401-8149 | **Fax:** 1-617-606-5022
- **Support Email:** message@sydlabs.com