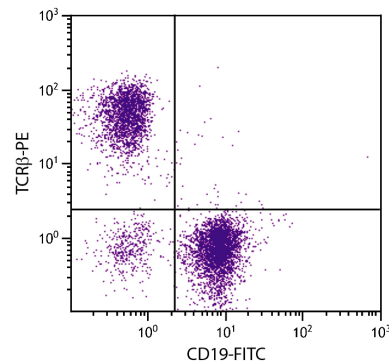




Hamster Anti-Mouse TCR β

Cat. No.	Format	Size
1785-01	Purified (UNLB)	0.5 mg
1785-02	Fluorescein (FITC)	0.5 mg
1785-02S	Fluorescein (FITC)	0.1 mg
1785-08	Biotin (BIOT)	0.5 mg
1785-09	R-phycoerythrin (PE)	0.1 mg
1785-11	Allophycocyanin (APC)	0.1 mg
1785-13	Spectral Red [®] (SPRD)	0.1 mg
1785-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg
1785-16	R-phycoerythrin-Cyanine 5.5 (PE/CY5.5)	0.1 mg
1785-26	Pacific Blue [™] (PACBLU)	0.1 mg
1785-27	Alexa Fluor [®] 700 (AF700)	0.1 mg
1785-30	Alexa Fluor [®] 488 (AF488)	0.1 mg
1785-31	Alexa Fluor [®] 647 (AF647)	0.1 mg



BALB/c mouse splenocytes were stained with Hamster Anti-Mouse TCR β -PE (SB Cat. No. 1785-09) and Rat Anti-Mouse CD19-FITC (SB Cat. No. 1575-02).

Overview

Clone	H57-597
Isotype	Hamster (Armenian) IgG ₂
Immunogen	TCR affinity purified from mouse T-cell hybridoma DO-11.10
Specificity	Mouse TCR β
Alternate Name(s)	N/A

Description

The $\alpha\beta$ TCR is expressed on T lymphocytes of all mouse strains tested. The H57-597 monoclonal antibody does not react with $\gamma\delta$ TCR-bearing cells. Plate-bound or soluble H57-597 activates $\alpha\beta$ TCR-bearing T cells. *In vitro* and *in vivo*, H57-597 can induce immature thymocytes to undergo apoptosis. *In vivo* administration of H57-597 has been shown to deplete $\alpha\beta$ TCR-bearing cells to near completion and prevent graft rejection.

Applications

FC – Quality tested ^{1,8-12}
 IHC – Reported in literature ⁷
 ICC – Reported in literature ⁶
 IP – Reported in literature ¹
 Stim – Reported in literature ^{1,2}
 Depletion – Reported in literature ^{3,4}
 Sep – Reported in literature ⁵

Working Dilutions

Flow Cytometry	FITC, BIOT, and AF488 conjugates	$\leq 2 \mu\text{g}/10^6$ cells
	PACBLU conjugate	$\leq 0.3 \mu\text{g}/10^6$ cells
	PE, APC, SPRD, PE/CY5.5, AF647, and AF700 conjugates	$\leq 0.2 \mu\text{g}/10^6$ cells
	For flow cytometry, the suggested use of these reagents is in a final volume of 100 μL .	

Other Applications Since applications vary, you should determine the optimum working dilution for the product that is appropriate for your specific need.

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Handling and Storage

- The purified (UNLB) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of borate buffered saline, pH 8.2. *No preservatives or amine-containing buffer salts added.* Store at 2-8°C.
- The fluorescein (FITC) conjugate is supplied as 0.5 mg or 0.1 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The biotin (BIOT) conjugate is supplied as 0.5 mg in 1.0 mL of PBS/NaN₃. Store at 2-8°C.
- The R-phycoerythrin (PE) and allophycocyanin (APC) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The Spectral Red[®] (SPRD) and R-phycoerythrin-Cyanine 5.5 (PE/CY5.5) conjugates are supplied as 0.1 mg in 1.0 mL of PBS/NaN₃ and a stabilizing agent. Store at 2-8°C. **Do not freeze!**
- The low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg of purified immunoglobulin in 1.0 mL of PBS. **Aliquot and store at or below -20°C.**
- The Alexa Fluor[®] 488 (AF488), Alexa Fluor[®] 647 (AF647), Alexa Fluor[®] 700 (AF700), and Pacific Blue™ (PACBLU) conjugates are supplied as 0.1 mg in 0.2 mL of PBS/NaN₃. Store at 2-8°C.
- Protect fluorochrome-conjugated forms from light. Reagents are stable for the period shown on the label if stored as directed.

Warning

Some reagents contain sodium azide. Please refer to product specific SDS.

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Cy[®] is a registered trademark of GE Healthcare.

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