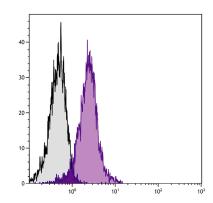




Hamster Anti-Mouse CD28

Cat. No.	Format	Size
1615-01	Purified (UNLB)	0.5 mg
1615-02	Fluorescein (FITC)	0.5 mg
1615-08	Biotin (BIOT)	0.5 mg
1615-14	Low Endotoxin, Azide-Free (LE/AF)	0.5 mg



BALB/c mouse thymocytes were stained with Hamster Anti-Mouse CD28-FITC (SB Cat. No. 1615-02).

Overview

Clone PV-1

Isotype Hamster (Armenian) IgG₂

Immunogen C57BL/6N mouse T cell lymphoma EL4 cell line

Specificity Mouse CD28; Mr 40 kDa

Alternate Name(s) Tp44, T44

Description

CD28 is a type I disulfide-linked homodimer that is constitutively expressed on most thymocytes, at low density on nearly all CD4⁺ and CD8⁺ peripheral T lymphocytes and at very low levels on NK cells. Its expression is upregulated upon T-cell activation. CD28 is a ligand for CD80 (B7-1) and CD86 (B7-2) on B cells and other antigen presenting cells and plays an important role in the interaction between T cells and B cells. CD28 is a costimulatory receptor involved in many, but not all, T-cell independent immune responses.

Applications

FC – Quality tested ^{1,6} IP – Reported in literature ^{1,2} Costim – Reported in literature ^{1,3,4} Stim – Reported in literature ⁵

Working Dilutions

Flow Cytometry FITC and BIOT conjugates $\leq 3 \mu g/10^6$ 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.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

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 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 low endotoxin, azide-free (LE/AF) antibody is supplied as 0.5 mg purified immunoglobulin in 1.0 mL of PBS. Contains no preservative; handle under aseptic conditions. Store at 2-8°C or aliquot into smaller volumes and store at -20°C. Avoid multiple freeze / thaw cycles.
- 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.

References

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- 3. Kanzaki M, Wada J, Sugiyama K, Nakatsuka A, Teshigawara S, Murakami K, et al. Galectin-9 and T cell immunoglobulin mucin-3 pathway is a therapeutic target for type 1 diabetes. Endocrinology. 2012;153:612-20. (Costim)
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