

Datasheet for ABIN135180

anti-CD28 antibody**1** Image**1** Publication[Go to Product page](#)

Overview

Quantity:	0.5 mg
Target:	CD28
Reactivity:	Mouse
Host:	Hamster
Clonality:	Monoclonal
Conjugate:	This CD28 antibody is un-conjugated
Application:	Flow Cytometry (FACS)

Product Details

Immunogen:	C57BL/6N mouse T cell lymphoma EL-4 cell line
Clone:	37-51
Isotype:	IgG
Specificity:	Mouse CD28, Mr 40 kDa
Characteristics:	Hamster Anti-Mouse CD28-UNLB
Purification:	Purified

Target Details

Target:	CD28
Alternative Name:	CD28 (CD28 Products)
Background:	CD28 is a type I disulfide-linked homodimer that is constitutively expressed on most

Target Details

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 co-stimulatory receptor involved in many, but not all, T-cell independent immune responses.

Pathways:

[TCR Signaling](#), [Fc-epsilon Receptor Signaling Pathway](#), [EGFR Signaling Pathway](#), [Regulation of Leukocyte Mediated Immunity](#), [Positive Regulation of Immune Effector Process](#), [Production of Molecular Mediator of Immune Response](#)

Application Details

Application Notes:

- **Applications:** FC - Quality tested , IP - Reported in literature , Costim - Reported in literature , Stim - Reported in literature , Activ - Reported in literature , Block - Reported in literature
- **Working Dilutions:** Flow Cytometry FITC and BIOT conjugates 2 g/10⁶ cells PE, APC, and SPRD conjugates 0.2 g/10⁶ cells For flow cytometry, the suggested use of these reagents is in a final volume of 100 L

Comment:

In vitro costimulation of T cells and NK cells

Sample Volume:

1 mL

Restrictions:

For Research Use only

Handling

Concentration:

0.5 mg/mL

Buffer:

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

Preservative:

Without preservative

Handling Advice:

Each reagent is stable for the period shown on the bottle label if stored as directed.

Storage:

4 °C

Storage Comment:

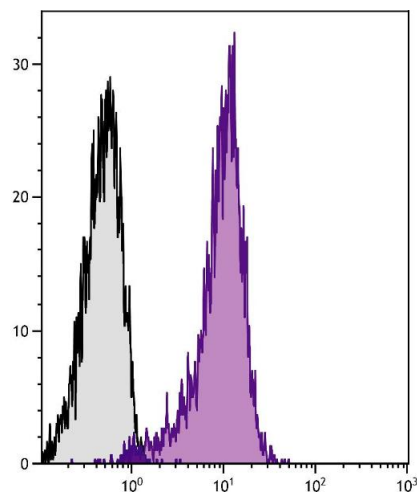
Store at 2-8°C

Publications

Product cited in:

Ershaid, Sharon, Doron, Raz, Shani, Cohen, Monteran, Leider-Trejo, Ben-Shmuel, Yassin, Gerlic, Ben-Baruch, Pasmanik-Chor, Apte, Erez: "NLRP3 inflammasome in fibroblasts links tissue damage with inflammation in breast cancer progression and metastasis." in: **Nature**

Images



Flow Cytometry

Image 1. BALB/c mouse thymocytes were stained with Hamster Anti-Mouse CD28-UNLB.