9853 Pacific Heights Blvd.
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36-3559: Anti-CD28 Monoclonal Antibody(Clone: CB28)

Clonality :	Monoclonal
Clone Name :	CB28
Application :	FACS,IF,Functional Assay
Reactivity :	Human
Gene :	CD28
Gene ID :	940
Uniprot ID :	P10747
Alternative Name :	T-cell-specific surface glycoprotein CD28; Tp44
Isotype :	Mouse IgG1, kappa
Immunogen Information :	Recombinant human CD28 protein

Description

Recognizes a glycoprotein of 44-88kDa, which is identified as CD28. It is the critical T-cell co-stimulatory receptor which provides to the cell the important second activation signal by binding CD80 and CD86 that are expressed by antigen presenting cells. Besides its co-stimulation role, CD28 functions in preventing T-cells from anergic hyporesponsive state or from undergoing premature apoptotic cell death. CD28 is also expressed on human fetal NK cells and some NK cell lines, whereas on murine NK cells the CD28 expression is much broader.

Product Info

Amount :	20 µg / 100 µg
Content :	200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.
Storage condition :	Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous.

Application Note

Flow Cytometry (1-2ug/million cells); ,Immunofluorescence (1-2ug/ml); ,Functional Studies (Order Ab without BSA & Azide); ,

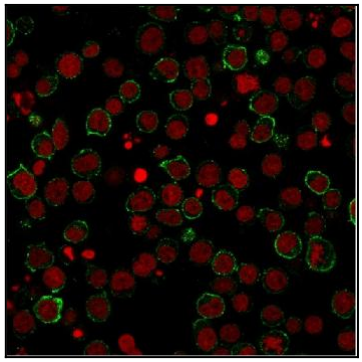


Fig. 1: Immunofluorescent staining of Jurkat cells using CD28 Mouse Monoclonal Antibody (CB28) followed by goat anti-Mouse IgG conjµgated to CF488 (green). Red Dot is used to label nuclei (red).

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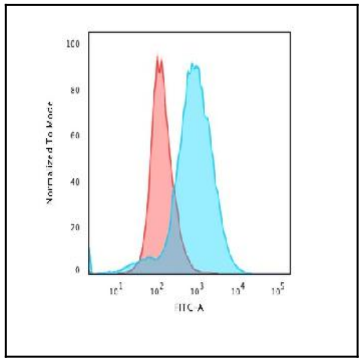


Fig. 2: Flow Cytometric Analysis of paraformaldehyde-fixed Jurkat cells using CD28 Mouse Monoclonal Antibody (CB28) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).

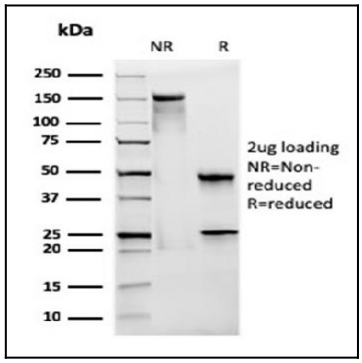


Fig. 3: SDS-PAGE Analysis Purified CD28 Mouse Monoclonal Antibody (CB28). Confirmation of Integrity and Purity of Antibody.

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