

### 36-3563: Anti-CD28 Monoclonal Antibody(Clone: 204.12)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	204.12
<b>Application :</b>	FACS,IF,Functional Assay
<b>Reactivity :</b>	Human, Mouse
<b>Gene :</b>	CD28
<b>Gene ID :</b>	940
<b>Uniprot ID :</b>	P10747
<b>Alternative Name :</b>	T-cell-specific surface glycoprotein CD28; Tp44
<b>Isotype :</b>	Mouse IgG2a, kappa
<b>Immunogen Information :</b>	Stimulated human leucocytes

#### 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

<b>Amount :</b>	20 µg / 100 µg
<b>Content :</b>	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.
<b>Storage condition :</b>	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);

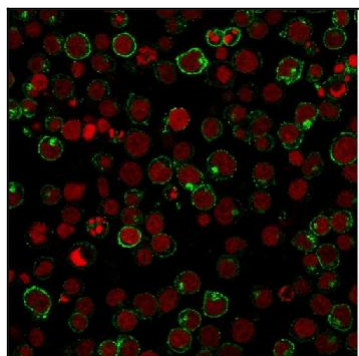


Fig. 1: Immunofluorescent staining of Jurkat cells using CD28 Mouse Monoclonal Antibody (204.12) followed by goat anti-Mouse IgG conjugated to CF488 (green). Red Dot is used to label nuclei (red).

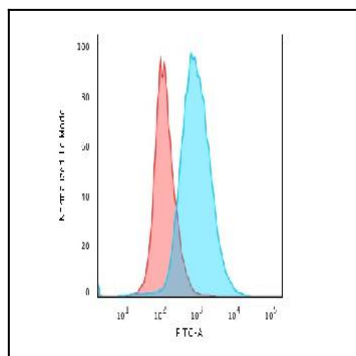


Fig. 2: Flow Cytometric Analysis of paraformaldehyde-fixed Jurkat cells using CD28 Mouse Monoclonal Antibody (204.12) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).

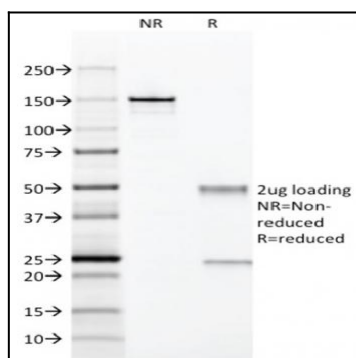


Fig. 3: SDS-PAGE Analysis Purified CD28 Mouse Monoclonal Antibody (204.12). Confirmation of Integrity and Purity of Antibody.