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

Clonality: Monoclonal Clone Name: 204.12

Application: FACS, IF, Functional Assay

Reactivity: Human, Mouse

Gene: CD28 Gene ID: 940 **Uniprot ID:** P10747

**Alternative Name:** T-cell-specific surface glycoprotein CD28; Tp44

Isotype: Mouse IgG2a, kappa

Immunogen Information: 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**

Amount: 20 μg / 100 μg

200 µg/ml of Ab Purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS Content:

with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody Storage condition:

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);

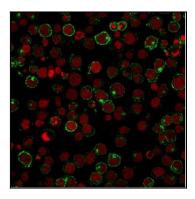


Fig. 1: Immunofluorescent staining of Jurkat cells using CD28 Mouse Monoclonal Antibody (204.12) followed by goat anti-Mouse IgG conjugated to CF488 (green). Red Dot is used to labelnuclei (red).



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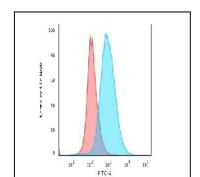


Fig. 2: Flow Cytometric Analysis of paraformaldehyde-fixed Jurkat cells using CD28 Mouse Monoclonal Antibody (204.12) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).

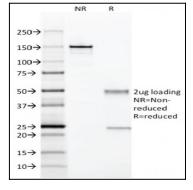


Fig. 3: SDS-PAGE Analysis Purified CD28 Mouse Monoclonal Antibody (204.12). Confirmation of Integrity and Purity of Antibody.