

CD28 Antibody

Mouse Monoclonal Antibody [Clone 204.12]

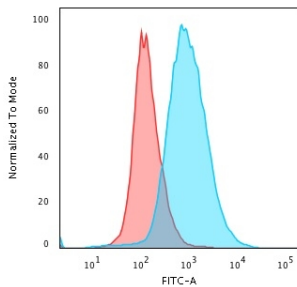
Catalog No	Format	Size
940-MSM4-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
940-MSM4-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
940-MSM4-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

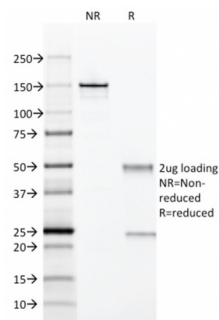
Product Details	
Clone	204.12
Gene Name	CD28
Immunogen	Stimulated human leucocytes
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	44kDa (monomer); 88kDa (dimer)
Cellular Localization	Cell surface, Membrane
Species Reactivity	Cow, Human, Mouse, Pig, Sheep
Positive Control	Jurkat cells. Human lymph nodes and tonsils.

*Optimal dilution for a specific application should be determined.

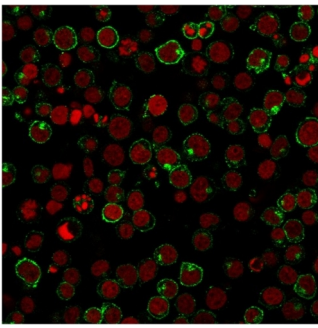
Product Images for CD28 Antibody



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).



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



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).

Specificity & Comments

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.

Supplied As

200ug/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 and Stability

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. No MSDS required.

Research Areas

AKT Signaling, Cancer, Cardiovascular, Dendritic Cell Marker, Hematopoietic Stem Cells, Immune checkpoint, Immuno Oncology, Immunology, Infectious Disease, Signal Transduction

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.
