

Mouse anti-Human CD28 Monoclonal Antibody | anti-CD28 antibody

CD28

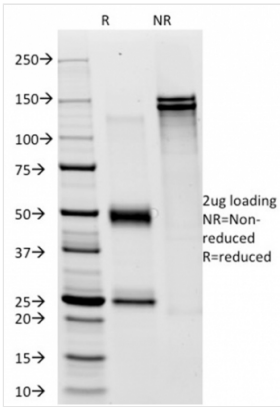
CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA215299	Mouse	Human	Functional Assay, Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD28; Monoclonal Antibody; T-cell-specific surface glycoprotein CD28; Tp44; anti-CD28 antibody

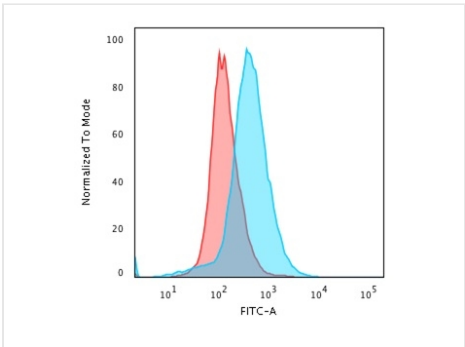
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human
Clonality	Monoclonal
Isotype	IgG1, kappa
Clone Number	C28/76
Specificity	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.
Purity/Purification	Purified Ab with BSA and Azide at 200ug/ml OR Purified Ab WITHOUT BSA and Azide at 1.0mg/ml
Form/Format	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.
Sequence Length	123
Applicable Applications for anti-CD28 antibody	FA (Functional Assay), FCM/FACS (Flow Cytometry)
Positive Control	Jurkat cells. Human lymph nodes and tonsils.
Immunogen	Recombinant human CD28 protein
Cellular Localization	Cell Surface
Hu-chromosome Location	2q33.2
Preparation and Storage	Antibody with azide: store at 2 to 8 degree C. Antibody without azide: store at -20 to -80 degree C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.



SDS-PAGE

SDS-PAGE Analysis Purified CD28 Mouse Monoclonal Antibody (C28/76). Confirmation of Integrity and Purity of Antibody.



FCM/FACS (Flow Cytometry)

Flow Cytometric Analysis of paraformaldehyde-fixed Jurkat cells using CD28 Mouse Monoclonal Antibody (C28/76) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).

ADDITIONAL INFORMATION

References	1. Jeong SH, Qiao M, Nascimbeni M, Hu Z, Rehmann B, Murthy K, Liang TJ. Immunization with hepatitis C virus-like particles induces humoral and cellular immune responses in nonhuman primates. J Virol. 2004;78(13):6995-7003. 2. Scharschmidt E, Wegener E, Heissmeyer V, Rao A, Krappmann D: Degradation of Bcl10 induced by T-cell activation negatively regulates NF-kappa B signaling. Mol Cell Biol. 2004;24(9):3860-73.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	340545508
NCBI GeneID	940
NCBI Accession #	NP_001230006.1
NCBI GenBank Nucleotide #	NP_001230006.1
UniProt Accession #	P10747
Molecular Weight	44kDa (monomer); 88kDa (dimer)
NCBI Official Full Name	T-cell-specific surface glycoprotein CD28 isoform 2
NCBI Official Synonym Full Names	CD28 molecule
NCBI Official Symbol	CD28
NCBI Official Synonym Symbols	Tp44
NCBI Protein Information	T-cell-specific surface glycoprotein CD28
UniProt Protein Name	T-cell-specific surface glycoprotein CD28
UniProt Gene Name	CD28
UniProt Entry Name	CD28_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.