

Mouse CD28 Monoclonal Antibody | anti-CD28 antibody

CD28 Mouse Monoclonal Antibody

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA62704	Mouse	Human, Pig, Cow, Sheep, Mouse	Immunofluorescence, Flow Cytometry, Functional Assay

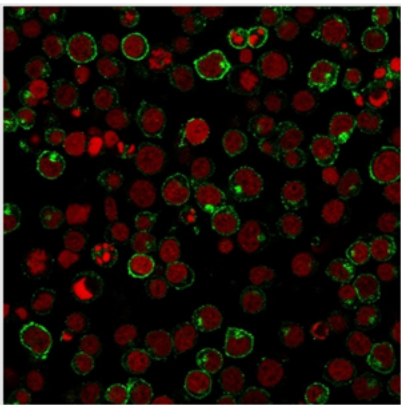
PRODUCT SYNONYMS

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

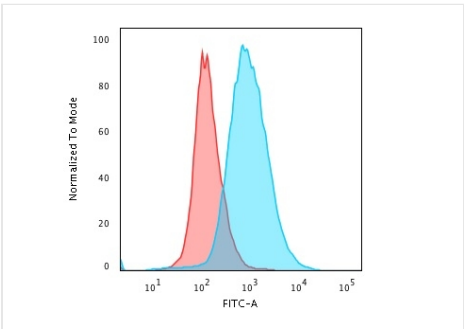
PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Human, Pig, Cow, Sheep, Mouse
Clonality	Monoclonal
Isotype	IgG2a, kappa
Clone Number	204-12
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.
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	IF (Immunofluorescence), FCM/FACS (Flow Cytometry)
Cellular Localization	Cell surface, Membrane
Immunogen	Stimulated human leucocytes
Positive Control	Jurkat cells. Human lymph nodes and tonsils.
Research Areas	AKT Signaling, Cancer, Cardiovascular, Dendritic Cell Marker, Hematopoietic Stem Cells, Immune checkpoint, Immuno Oncology, Immunology, Infectious Disease, Signal Transduction
Preparation and Storage	Antibody without azide - store at -20 to -80 degree C. Non-hazardous. No MSDS required.

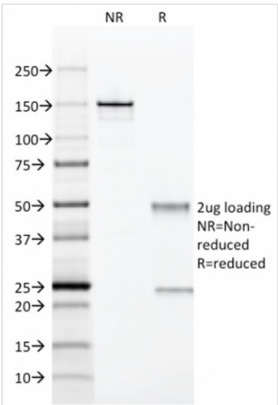
IMAGES



IF (Immunofluorescence)
Immunofluorescent staining of Jurkat cells using CD28 Mouse Monoclonal Antibody (AAA62704) followed by goat anti-Mouse IgG conjugated to CF488 (green). Red Dot is used to label nuclei (red).



FCM/FACS (Flow Cytometry)
Flow Cytometric Analysis of paraformaldehyde-fixed Jurkat cells using CD28 Mouse Monoclonal Antibody (AAA62704) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



SDS-PAGE
SDS-PAGE Analysis of Purified CD28 Mouse Monoclonal Antibody (AAA62704). Confirmation of Integrity and Purity of Antibody.

ADDITIONAL INFORMATION

References	In Leucocyte typing Workshop VI. Sandilands, G. et al. Clinical and Experimental Immunology, 162(3), 516-27 (2010)
------------	--

NCBI AND UNIPROT INFORMATION

NCBI GI #	340545508
NCBI GeneID	940
NCBI Accession #	NP_001230006.1
NCBI GenBank Nucleotide #	NM_001243077.1
UniProt Accession #	P10747; Q13964; Q52M23; Q70WG0; Q8NI54; Q8NI55; Q8NI56; Q8WXJ2; Q9BYV0; A8KAC1
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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/monoclonal/cd28-antibody-clone-204-12-immunofluorescence-flow-cytometry-elisa/62704>