

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

Anti-Rt CD28 PE

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA128645	Mouse	Rat	Flow Cytometry, Functional Assay

PRODUCT SYNONYMS

CD28; Monoclonal Antibody; Anti-Rt CD28 PE; CD28 molecule; Tp44; anti-CD28 antibody

PRODUCT SPECIFICATIONS

Host	Mouse
Reactivity	Rat
Clonality	Monoclonal
Isotype	IgG1 kappa
Clone Number	JJ319
Specificity	The mouse monoclonal antibody JJ319 reacts with an extracellular epitope of CD28, a disulfide-linked homodimeric type I glycoprotein (monomer of Mw 44 kDa) which is a critical costimulatory receptor of T cells.
Purity/Purification	The purified antibody is conjugated with R-phycoerythrin (PE) under optimum conditions. The conjugate is purified by size-exclusion chromatography.
Form/Format	Phosphate buffered saline (PBS) solution with 15 mM sodium azide
Concentration	0.5 mg/ml (varies by lot)
Sequence Length	218
Applicable Applications for anti-CD28 antibody	FCM/FACS (Flow Cytometry)
Immunogen	Mouse A20J B lymphoma cells transfected with rat CD28
Conjugation	PE
Preparation and Storage	Store in the dark at 2-8 degree C. Do not freeze. Avoid prolonged exposure to light.

ADDITIONAL INFORMATION

Related Product Information for anti-CD28 antibody	CD28 is the critical T cell costimulatory 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 costimulation 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.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	6978625
NCBI GeneID	25660
NCBI Accession #	NP_037253.1
NCBI GenBank Nucleotide #	NP_037253.1

UniProt Accession #	P31042
NCBI Official Full Name	T-cell-specific surface glycoprotein CD28
NCBI Official Synonym Full Names	Cd28 molecule
NCBI Official Symbol	Cd28
NCBI Official Synonym Symbols	CD28RNA
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_RAT

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.

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Online datasheet: <https://www.aaabiotech.com/monoclonal/cd28-antibody-clone-jj319-flow-cytometry-elisa/128645>