Mouse Anti-Human CD28 Monoclonal Antibody, APC-Conjugated

CABT-ZC1038  Mouse(CD28)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview
Mouse Monoclonal Antibody to Human CD28 molecule, APC-Conjugated

Antigen Description
CD28 is a T-cell surface homodimeric 44kDa molecule that belongs to the Ig superfamily. CD28 is involved in cell adhesion T-B through the binding to its ligand B7/BB1, which is also the ligand for CTLA-4. CD28-B7 interaction is an important cosignal that allow T-cell proliferation and lymphokine production. CD28 is associated to a PI3 kinase activity. The majority of CD4+ T-cells and 50% of CD8+ T-cells express CD28. The CD28.2 monoclonal antibody induces T-cell proliferation in costimulation with CD2 monoclonal antibodies. It also inhibits the CD4+ proliferation in the allogeneic T-cell response. This antibody has been studied at the Vth International Workshop on Human Leucocyte Differentiation Antigens in Boston.

Target
CD28

Host
Mouse

Species
Human

Clone
CD28.2

Conjugation
APC

Applications
FlowCyt

ANTIGEN GENE INFORMATION

Gene Name
CD28 CD28 molecule [ Homo sapiens ]

Official Symbol
CD28

Synonyms
CD28; CD28 molecule; CD28 antigen (Tp44); T-cell-specific surface glycoprotein CD28; T cell specific surface glycoprotein; CD28 antigen; Tp44; MGC138290

GeneID
940

mRNA Refseq
NM_001243077

Protein Refseq
NP_001230006

MIM
186760

UniProt ID
P10747

Chromosome Location
2q33

Pathway
Adaptive Immune System; Allograft rejection; Autoimmune thyroid disease; CD28 co-stimulation; Cell adhesion molecules (CAMs); CD28 dependent PI3K/Akt signaling; Cell adhesion molecules (CAMs);

Function
SH3/SH2 adaptor activity; coreceptor activity; identical protein binding; protease binding; protein binding; protein homodimerization activity

REFERENCES
