

43-1048: Monoclonal Antibody to Human CD28 NALE™ Purified (Clone: CD28.2)

Clonality :	Monoclonal
Clone Name :	CD28.2
Application :	FACS
Reactivity :	Human
Gene :	CD28
Gene ID :	940
Uniprot ID :	P10747
Alternative Name :	TP44, T-cell-specific surface glycoprotein CD28
Isotype :	Mouse IgG1, kappa

Description

The CD28.2 monoclonal antibody specifically binds with the human 44 kDa homodimeric trans-membrane glycoprotein CD28, expressed on the surface of most mature T lymphocytes, plasma cells, and thymocytes. CD28 is a ligand for B7-1 (CD80) and B7-2 (CD86), a co-stimulator of T lymphocytes, and enhances the interaction between T and B lymphocytes. It has been reported that the T lymphocytes stimulation to produce IL-2 depends on the monoclonal antibody involved, which suggests that the CD28 molecule presents some subregions with distinct functions. The CD28.2 antibody induces Ca²⁺ influx in Jurkat T lymphocytes. Other studies have shown that CD28 is involved in the signal transduction.

Product Info

Amount :	100ug / 500 µg
Content :	2 mg/ml in Phosphate-buffered aqueous solution, pH7.2.
Storage condition :	The product should be stored undiluted at 4°C. Do not freeze. The monoclonal antibody was purified utilizing affinity chromatography. The endotoxin level is determined by LAL test to be less than 0.01 EU/µg of the protein.

Application Note

The antibody has been analyzed for quality through the flow cytometric analysis of the relevant cell type. It is recommended that the reagent be titrated for optimal performance for each application.