

For Research Use Only

CoraLite® Plus 488-conjugated CD28 Recombinant antibody

Catalog Number:CL488-83383-6



Basic Information

Catalog Number: CL488-83383-6	GenBank Accession Number: BC093698	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 ug/ml by Nanodrop;	GeneID (NCBI): 940	CloneNo.: 240354D2
Source: Rabbit	ENSEMBL Gene ID: ENSG00000178562	Recommended Dilutions: IF/ICC 1:200-1:800
Isotype: IgG	UNIPROT ID: P10747	Excitation/Emission maxima wavelengths: 493 nm / 522 nm
	Full Name: CD28 molecule	
	Calculated MW: 220 aa, 25 kDa	

Applications

Tested Applications: IF/ICC	Positive Controls: IF/ICC : Jurkat cells,
Species Specificity: human	

Background Information

CD28 (T-cell-specific surface glycoprotein CD28), also known as T44 and Tp44, is a 44 kD disulfide-linked homodimeric type I glycoprotein (PMID: 2162180). It is a member of the immunoglobulin superfamily and is expressed on most T lineage cells, NK cell subsets, and plasma cells (PMID: 2162180, 8386518). CD28 may affect in vivo immune responses by functioning both as a cell adhesion molecule linking B and T lymphocytes and as the surface component of a novel signal transduction pathway (PMID: 2162180, 3021470). CD28 binds both CD80 and CD86 with a highly conserved motif MYPPY in the CDR3-like loop (PMID: 15696168, 7964482). CD28 is considered a major co-stimulatory molecule, inducing T lymphocyte activation and IL-2 synthesis, and preventing cell death (PMID: 1348520).

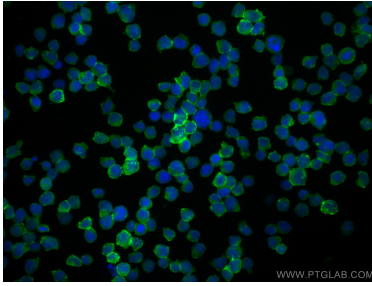
Storage

Storage:
Store at -20°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 50% Glycerol, 0.05% Proclin300, 0.5% BSA, pH 7.3.
Aliquoting is unnecessary for -20°C storage

For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



Immunofluorescent analysis of (4% PFA) fixed Jurkat cells using CoraLite® Plus 488 CD28 antibody (CL488-83383-6, Clone: 240354D2) at dilution of 1:400.