

For Research Use Only

Anti-Human CD28 (CD28.2) Mouse IgG2a Recombinant Antibody

Catalog Number: 65621-1-MR



Basic Information

Catalog Number: 65621-1-MR	GenBank Accession Number: BC093698	Purification Method: Protein A purification
Size: 100ug, 1 mg/ml	GeneID (NCBI): 940	CloneNo.: CD28.2
Source: Mouse	ENSEMBL Gene ID: ENSG00000178562	
Isotype: IgG2a	Full Name: CD28 molecule	
	Calculated MW: 220 aa, 25 kDa	

Applications

Tested Applications:
FC

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 2-8°C. Stable for one year after shipment.

Storage Buffer:
PBS with 0.09% sodium azide.

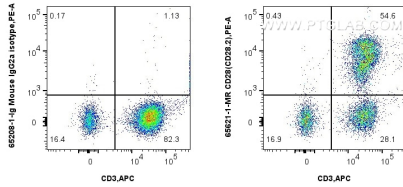
For technical support and original validation data for this product please contact:

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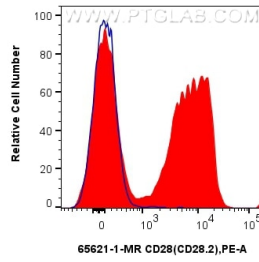
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD28 (CD28.2) Mouse IgG2a Recombinant Antibody (65621-1-MR, Clone: CD28.2) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4), and PE-conjugated Goat Anti-Mouse IgG. Cells were co-stained with APC Anti-Human CD3 (OKT3) Mouse IgG2a Recombinant Antibody. Cells were not fixed.



1x10⁶ human PBMCs were surface stained with 0.25 ug Anti-Human CD28 (CD28.2) Mouse IgG2a Recombinant Antibody (65621-1-MR, Clone: CD28.2) (red) or Mouse IgG2a Isotype Control (C1.18.4) (65208-1-Ig, Clone: C1.18.4) (blue), and PE-conjugated Goat Anti-Mouse IgG. Cells were not fixed.