

For Research Use Only

Biotin Anti-Human CD28 Rabbit Recombinant Antibody



Catalog Number: Biotin-98032

Basic Information

Catalog Number: Biotin-98032	GenBank Accession Number: BC093698	Purification Method: Protein A purification
Size: 100ug, 500 µg/ml	GeneID (NCBI): 940	CloneNo.: 240354D2
Source: Rabbit	ENSEMBL Gene ID: ENSG00000178562	
Isotype: IgG	UNIPROT ID: P10747	
	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. Avoid exposure to light.

Storage Buffer:
PBS with 0.09% sodium azide.

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

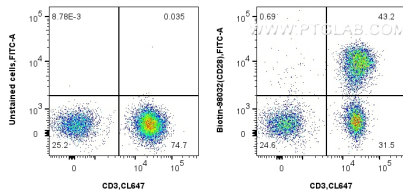
T: 4006900926

E: Proteintech-CN@ptglab.com

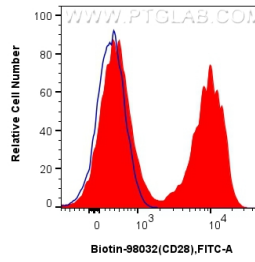
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Selected Validation Data



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD28 Rabbit Recombinant Antibody (Biotin-98032, Clone: 240354D2) and CoraLite®488-conjugated streptavidin, or unstained. Cells were then stained with CoraLite® Plus 647 Anti-Human CD3. Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 0.25 ug Biotin Anti-Human CD28 Rabbit Recombinant Antibody (Biotin-98032, Clone:240354D2) and CoraLite®488-conjugated streptavidin (red), or unstained (blue). Cells were not fixed. Lymphocytes were gated.