

For Research Use Only

FITC Plus Anti-Human CD28 Rabbit Recombinant Antibody

Catalog Number:**FITC-98032**



Basic Information

Catalog Number:	GenBank Accession Number:	Purification Method:
FITC-98032	BC093698	Protein A purification
Size:	GenID (NCBI):	CloneNo.:
100tests, 5 ul/test	940	240354D2
Source:	ENSEMBL Gene ID:	Recommended Dilutions:
Rabbit	ENSG00000178562	FC: 5 ul per 10^6 cells in a 100 μ l suspension
Isotype:	UNIPROT ID:	Excitation/Emission maxima wavelengths:
IgG	P10747	495 nm / 524 nm
Immunogen Catalog Number:	Full Name:	
EG0889	CD28 molecule	
	Calculated MW:	
	220 aa, 25 kDa	

Applications

Tested Applications:	Positive Controls:
FC	FC : human PBMCs,
Species Specificity:	
human, monkey, non-human primates	

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 MYPY 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).

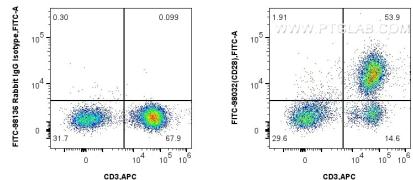
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide and 0.5% BSA, pH7.3

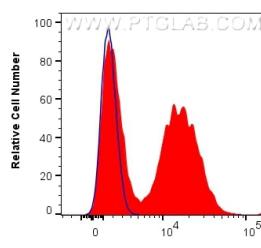
For technical support and original validation data for this product please contact:
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in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1x10⁶ human PBMCs were surface stained with APC Anti-Human CD3, and 5 μ l FITC Plus Anti-Human CD28 Rabbit RecAb (FITC-98032, Clone: 240354D2) or FITC Plus Rabbit IgG Isotype Control Recombinant Antibody (FITC-98136, Clone: 240953C9). Cells were not fixed. Lymphocytes were gated.



1x10⁶ human PBMCs were surface stained with 5 μ l FITC Plus Anti-Human CD28 Rabbit RecAb (FITC-98032, Clone: 240354D2) (red) or FITC Plus Rabbit IgG Isotype Control Recombinant Antibody (FITC-98136, Clone: 240953C9) (blue). Cells were not fixed. Lymphocytes were gated.