

CD28 Polyclonal antibody

Catalog Number: 26174-1-AP

Basic Information

Catalog Number: 26174-1-AP	GenBank Accession Number: BC093698	Purification Method: Antigen affinity purification
Size: 850 µg/ml	GeneID (NCBI): 940	Recommended Dilutions: IP 0.5-4.0 µg for 1.0-3.0 mg of total protein lysate IHC 1:50-1:500
Source: Rabbit	ENSEMBL Gene ID: ENSG00000178562	
Isotype: IgG	UNIPROT ID: P10747	
Immunogen Catalog Number: AG24058	Full Name: CD28 molecule	
	Calculated MW: 220 aa, 25 kDa	
	Observed MW: 44 kDa	

Applications

Tested Applications:

IHC, IP, ELISA

Species Specificity:

human

Note-IHC: suggested antigen retrieval with TE buffer pH 9.0; (*) Alternatively, antigen retrieval may be performed with citrate buffer pH 6.0

Positive Controls:

IP: Jurkat cells,

IHC: human tonsillitis tissue,

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

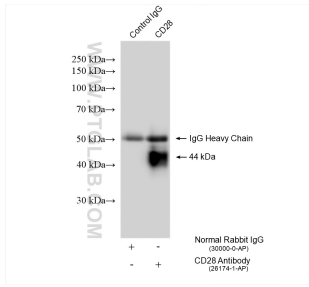
T: 4006900926

E: Proteintech-CN@ptglab.com

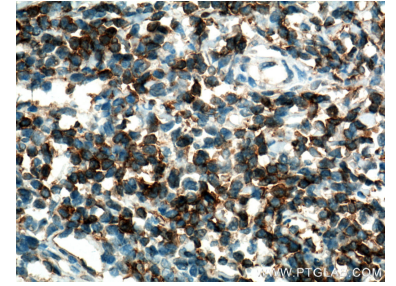
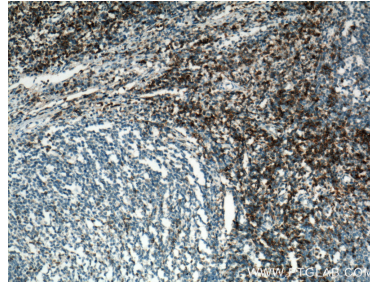
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Selected Validation Data



IP result of anti-CD28 (IP:26174-1-AP, 4ug; Detection:26174-1-AP 1:400) with Jurkat cells lysate 1400 ug.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26174-1-AP (CD28 Antibody) at dilution of 1:200 (under 10x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).

Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 26174-1-AP (CD28 Antibody) at dilution of 1:200 (under 40x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0).