

For Research Use Only

# CD83 Polyclonal antibody, PBS Only

Catalog Number: 27873-1-PBS



## Basic Information

<b>Catalog Number:</b> 27873-1-PBS	<b>GenBank Accession Number:</b> BC030830	<b>Purification Method:</b> Antigen affinity purification
<b>Size:</b> 100ug, Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 9308	
<b>Source:</b> Rabbit	<b>ENSEMBL Gene ID:</b> ENSG00000112149	
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> Q01151	
<b>Immunogen Catalog Number:</b> AG27467	<b>Full Name:</b> CD83 molecule	
	<b>Calculated MW:</b> 205 aa, 23 kDa	
	<b>Observed MW:</b> 37-50kDa, 23kDa	

## Applications

**Tested Applications:**  
WB, IHC, Indirect ELISA

**Species Specificity:**  
human

## Background Information

CD83 is a member of the immunoglobulin (Ig) superfamily, consisting of an extracellular V-type Ig-like domain, a transmembrane domain, and a cytoplasmic tail. CD83 is one of the most prominent markers for fully matured dendritic cells (DCs) (PMID: 17334966). It is also found on the surface of other activated hematopoietic cells, including lymphocytes, monocytes, macrophages, and neutrophils (PMID: 31231400; 17334966). CD83 regulates the maturation, activation, and homeostasis of numerous immune cells (PMID: 31231400; 32362900). CD83 can also be expressed as a soluble form. Soluble CD83 can bind to DCs and inhibit their maturation (PMID: 17334966; 12403928). PNGase F (peptide N-glycosidase F) digestion reduced the 37 and 50 kDa CD83 forms to 28 kDa (PMID: 15320871).

## Storage

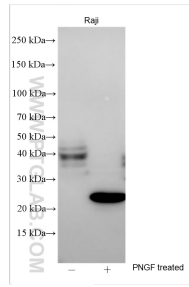
**Storage:**  
Store at -80°C.

**Storage Buffer:**  
PBS only, pH7.3

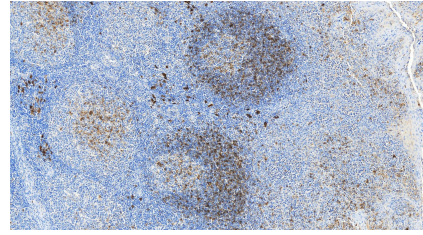
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)      E: proteintech@ptglab.com  
W: ptglab.com

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## Selected Validation Data



Untreated and PNGF treated Raji cells were subjected to SDS PAGE followed by western blot with 27873-1-AP (CD83 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 27873-1-PBS in a different storage buffer formulation.



Immunohistochemical analysis of paraffin-embedded human tonsillitis tissue slide using 27873-1-AP (CD83 antibody) at dilution of 1:1000 (under 20x lens). Heat mediated antigen retrieval with Tris-EDTA buffer (pH 9.0). This data was developed using the same antibody clone with 27873-1-PBS in a different storage buffer formulation.