

For Research Use Only

# CD83 Polyclonal antibody, PBS Only

Catalog Number: 27873-1-PBS



## Basic Information

Catalog Number:

27873-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG27467

GenBank Accession Number:

BC030830

GeneID (NCBI):

9308

ENSEMBL Gene ID:

ENSG00000112149

UNIPROT ID:

Q01151

Full Name:

CD83 molecule

Calculated MW:

205 aa, 23 kDa

Observed MW:

37-50kDa, 23kDa

Purification Method:

Antigen affinity purification

## 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.

**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

Storage Buffer:

PBS only, pH7.3

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

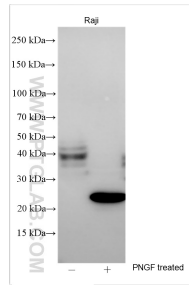
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

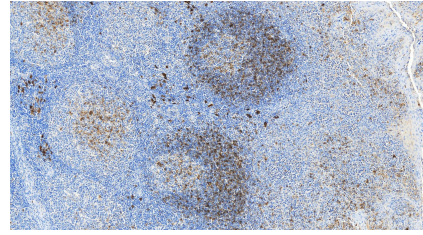
W: [ptgcn.com](http://ptgcn.com)

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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.