

For Research Use Only

CD83 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84796-3-PBS



Basic Information

Catalog Number:

84796-3-PBS

Size:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM_004233.4

GeneID (NCBI):

9308

ENSEMBL Gene ID:

ENSG00000112149

UNIPROT ID:

Q01151

Full Name:

CD83 molecule

Calculated MW:

23 kDa

Observed MW:

40-45 kDa

Purification Method:

Protein A purification

CloneNo.:

241855G5

Applications

Tested Applications:

WB, Cytometric bead array, Sandwich ELISA, Indirect ELISA, Sample test

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).

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

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

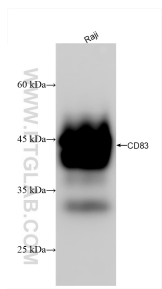
T: 4006900926

E: Proteintech-CN@ptglab.com

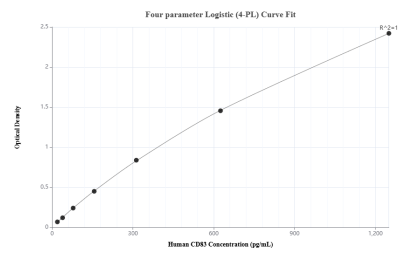
W: ptgcn.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

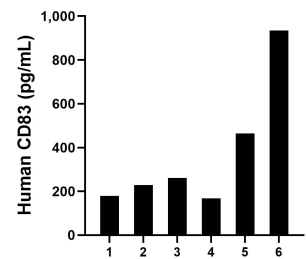
Selected Validation Data



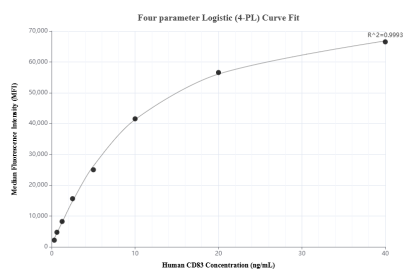
Various lysates were subjected to SDS PAGE followed by western blot with 84796-3-RR (CD83 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84796-3-PBS in a different storage buffer formulation.



Sandwich ELISA standard curve of MP01570-3, Human CD83 Recombinant Matched Antibody Pair - PBS only. 84796-4-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Eg2033. 84796-3-PBS was HRP conjugated as the detection antibody. Range: 19.5-1250 pg/ mL



Serum of six individual healthy human donors was measured. The human CD83 concentration of detected samples was determined to be 372.6 pg/mL with a range of 167.8 - 934.1 pg/mL.



Cytometric bead array standard curve of MP01570-1, CD83 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84796-1-PBS. Detection antibody: 84796-3-PBS. Standard: Eg2033. Range: 0.313-40 ng/mL