

For Research Use Only

CD83 Recombinant monoclonal antibody

Catalog Number: 83907-5-RR



Basic Information

Catalog Number: 83907-5-RR	GenBank Accession Number: GeneID (NCBI): 12522	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	UNIPROT ID: O88324	CloneNo.: 252734F1
Source: Rabbit	Full Name: CD83 antigen	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Observed MW: 50 kDa	
Immunogen Catalog Number: EG10435		

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Raji cells, mouse spleen tissue, mouse brain tissue, rat brain tissue
Species Specificity: human, mouse	

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 kDa and 50 kDa CD83 forms to 28 kDa (PMID: 15320871).

Storage

Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

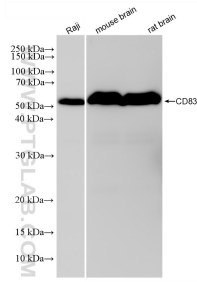
For technical support and original validation data for this product please contact:

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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



Various lysates were subjected to SDS PAGE followed by western blot with 83907-5-RR (CD83 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.