

For Research Use Only

CD83 Recombinant monoclonal antibody

Catalog Number: 83907-5-RR



Basic Information

Catalog Number:

83907-5-RR

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG10435

GenBank Accession Number:

GeneID (NCBI):

12522

UNIPROT ID:

O88324

Full Name:

CD83 antigen

Observed MW:

50 kDa

Purification Method:

Protein A purification

CloneNo.:

252734F1

Recommended Dilutions:

WB: 1:1000-1:4000

Applications

Tested Applications:

WB, ELISA

Species Specificity:

human, mouse

Positive Controls:

WB: Raji cells, mouse spleen tissue, mouse brain tissue, rat brain tissue

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

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

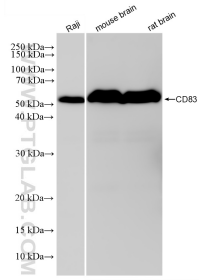
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E: Proteintech-CN@ptglab.com

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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.