

For Research Use Only

# Anti-Mouse CD83 Rabbit Recombinant Antibody

Catalog Number: 98119-1-RR



## Basic Information

Catalog Number:

98119-1-RR

Size:

100ug , 1000 µg/ml

Source:

Rabbit

Isotype:

IgG

GenBank Accession Number:

NM\_009856.3

GeneID (NCBI):

12522

UNIPROT ID:

O88324

Full Name:

CD83 antigen

Calculated MW:

21 kDa

Purification Method:

Protein A purification

CloneNo.:

241002B7

## Applications

Tested Applications:

FC

Species Specificity:

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 expressed as a soluble form. Soluble CD83 can bind to DCs and inhibit their maturation (PMID: 17334966; 12403928).

## Storage

Storage:

Store at 2 - 8°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH 7.3.

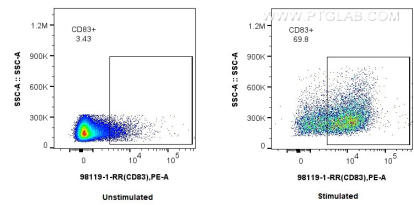
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

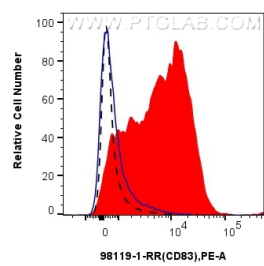
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

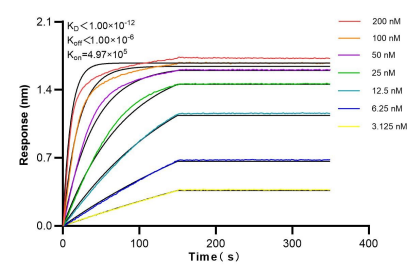
Selected Validation Data



1x10<sup>6</sup> untreated or LPS-treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD83 Rabbit Recombinant Antibody (98119-1-RR, Clone: 241002B7) and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were not fixed.



1x10<sup>6</sup> LPS-treated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD83 Rabbit Recombinant Antibody (98119-1-RR, Clone: 241002B7) (red) or 0.25 ug Isotype Control (blue), and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). 1x10<sup>6</sup> untreated mouse splenocytes were surface stained with 0.25 ug Anti-Mouse CD83 Rabbit Recombinant Antibody (98119-1-RR, Clone: 241002B7) (black, dashed), and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L). Cells were not



Biolayer interferometry (BLI) kinetic assays of 98119-1-RR against Mouse CD83 were performed. The affinity constant is below 1 pM.