

For Research Use Only

# Anti-Mouse CD83 Rabbit Recombinant Antibody

Catalog Number: 98119-1-RR



## Basic Information

<b>Catalog Number:</b> 98119-1-RR	<b>GenBank Accession Number:</b> NM_009856.3	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , 1000 µg/ml	<b>GeneID (NCBI):</b> 12522	<b>CloneNo.:</b> 241002B7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O88324	<b>Recommended Dilutions:</b> FC: 0.25 ug per 10 <sup>6</sup> cells in 100 µl suspension
<b>Isotype:</b> IgG	<b>Full Name:</b> CD83 antigen	
<b>Immunogen Catalog Number:</b> EG1387	<b>Calculated MW:</b> 21 kDa	

## Applications

<b>Tested Applications:</b> FC	<b>Positive Controls:</b> FC : LPS treated mouse splenocytes,
<b>Species Specificity:</b> 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).

## Storage

**Storage:**  
Store at 2 - 8°C. Stable for one year after shipment.  
**Storage Buffer:**  
PBS with 0.09% sodium azide, pH7.3

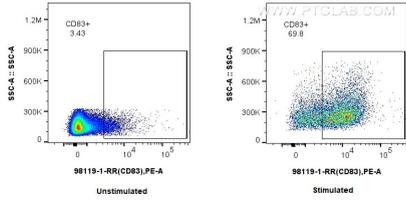
For technical support and original validation data for this product please contact:

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

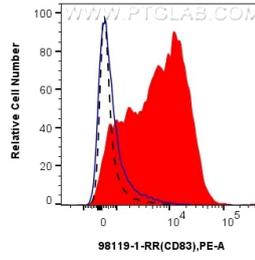
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

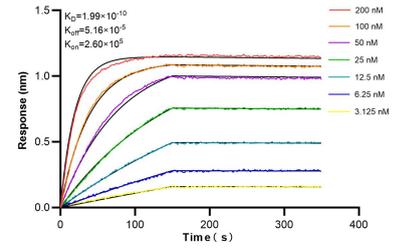
## Selected Validation Data



$1 \times 10^6$  untreated or LPS-treated mouse splenocytes were surface stained with 0.25  $\mu$ g 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.



$1 \times 10^6$  LPS-treated mouse splenocytes were surface stained with 0.25  $\mu$ g Anti-Mouse CD83 Rabbit Recombinant Antibody (98119-1-RR, Clone: 241002B7) (red) or 0.25  $\mu$ g Isotype Control (blue), and PE-Conjugated AffiniPure Goat Anti-Rabbit IgG(H+L).  $1 \times 10^6$  untreated mouse splenocytes were surface stained with 0.25  $\mu$ g Anti-Mouse CD83 Rabbit Recombinant Antibody (98119-1-RR, Clone: 241002B7) (black, dashed), and PE-Conjugated AffiniPure Goat Anti-Rabbit



Bi-layer interferometry (BLI) kinetic assays of 98119-1-RR against Mouse CD83 were performed. The affinity constant is 0.199 nM.