

For Research Use Only

# Anti-Mouse CD83 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98119-1-PBS



## Basic Information

<b>Catalog Number:</b> 98119-1-PBS	<b>GenBank Accession Number:</b> NM_009856.3	<b>Purification Method:</b> Protein A purification
<b>Concentration:</b> 1mg, 2 mg/ml	<b>GeneID (NCBI):</b> 12522	<b>CloneNo.:</b> 241002B7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> O88324	
<b>Isotype:</b> IgG	<b>Full Name:</b> CD83 antigen	
<b>Immunogen Catalog Number:</b> EG1387	<b>Calculated MW:</b> 21 kDa	

## 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 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, pH7.3

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

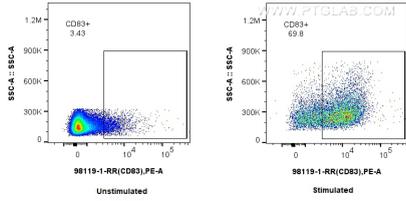
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E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

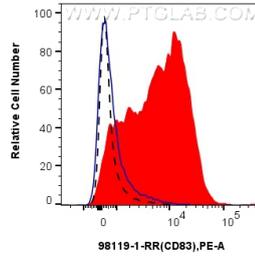
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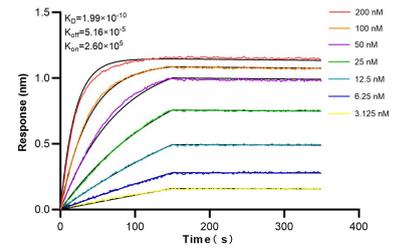
## Selected Validation Data



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. This data was developed using the same antibody clone with 98119-1-PBS in a different storage buffer formulation.



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



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