

For Research Use Only

Anti-Mouse CD83 Rabbit Recombinant Antibody, PBS Only

Catalog Number: 98119-1-PBS



Basic Information

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

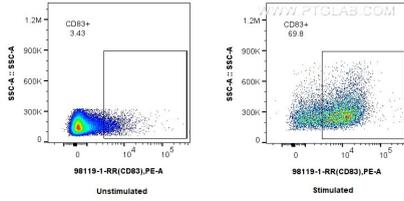
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

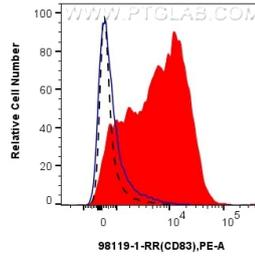
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
W: ptglab.com

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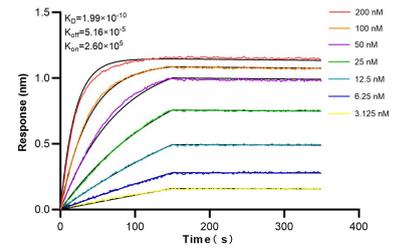
Selected Validation Data



1x10⁶ 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.



1x10⁶ 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). 1x10⁶ 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



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