

For Research Use Only

Anti-Mouse CD83 Rabbit Recombinant Antibody

Catalog Number: 98119-1-RR



Basic Information

Catalog Number:	98119-1-RR	GenBank Accession Number:	NM_009856.3	Purification Method:	Protein A purification
Size:	100ug, 1000 µg/ml	GeneID (NCBI):	12522	CloneNo.:	241002B7
Source:	Rabbit	UNIPROT ID:	O88324		
Isotype:	IgG	Full Name:	CD83 antigen		
		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 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:

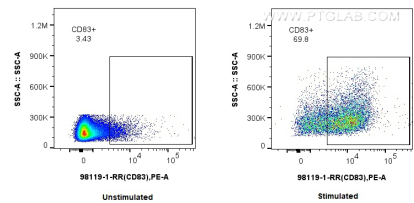
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E: Proteintech-CN@ptglab.com

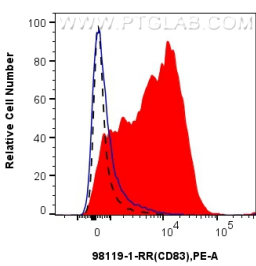
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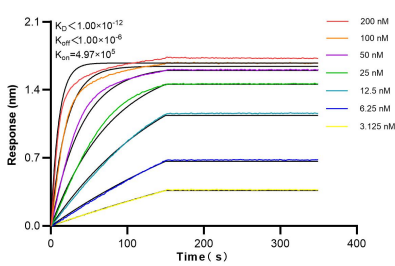
Selected Validation Data



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.



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 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.