

For Research Use Only

FITC Plus Anti-Mouse CD83 Rabbit Recombinant Antibody

Catalog Number: FITC-98119



Basic Information

Catalog Number: FITC-98119	GenBank Accession Number: NM_009856.3	Purification Method: Protein A purification
Concentration: 100ug, 500 ug/ml	GeneID (NCBI): 12522	CloneNo.: 241002B7
Source: Rabbit	UNIPROT ID: O88324	Recommended Dilutions: FC: 0.25 ug per 10 ⁶ cells in a 100 µl suspension
Isotype: IgG	Full Name: CD83 antigen	Excitation/Emission maxima wavelengths: 495 nm / 524 nm
Immunogen Catalog Number: EG1387	Calculated MW: 21 kDa	

Applications

Tested Applications: FC	Positive Controls: FC : LPS treated mouse splenocytes,
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. Avoid exposure to light. 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:

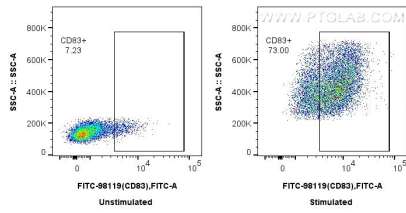
T: 4006900926

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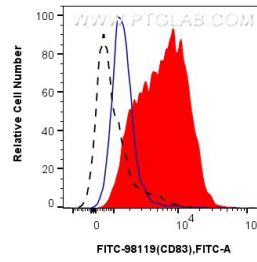
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Selected Validation Data



1x10⁶ untreated or LPS treated mouse splenocytes were surface stained with 0.25 ug FITC Plus Anti-Mouse CD83 Rabbit RecAb (FITC-98119, Clone: 241002B7). Cells were not fixed.



1x10⁶ LPS treated mouse splenocytes were surface stained with 0.25 ug FITC Plus Anti-Mouse CD83 Rabbit RecAb (FITC-98119, Clone: 241002B7) (red) or 0.25 ug FITC Plus Rabbit IgG Isotype Control RecAb (FITC-98136, Clone: 240953C9) (blue). 1x10⁶ untreated mouse splenocytes were surface stained with 0.25 ug FITC Plus Anti-Mouse CD83 Rabbit RecAb (FITC-98119, Clone: 241002B7) (black, dashed). Cells were not fixed.