

For Research Use Only

# FITC Plus Anti-Mouse CD83 Rabbit Recombinant Antibody

Catalog Number: FITC-98119



## Basic Information

Catalog Number:

FITC-98119

Size:

100ug, 500 ug/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

EG1387

GenBank Accession Number:

NM\_009856.3

GeneID (NCBI):

12522

UNIPROT ID:

O88324

Full Name:

CD83 antigen

Calculated MW:

21 kDa

Purification Method:

Protein A purification

CloneNo.:

241002B7

Recommended Dilutions:

FC: 0.25 ug per 10<sup>6</sup> cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

495 nm / 524 nm

## Applications

Tested Applications:

FC

Species Specificity:

mouse

Positive Controls:

FC : LPS treated mouse splenocytes,

## 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. Avoid exposure to light. Stable for one year after shipment.

Storage Buffer:

PBS with 0.09% sodium azide, pH7.3

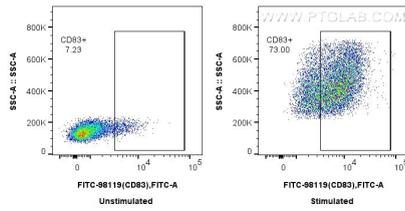
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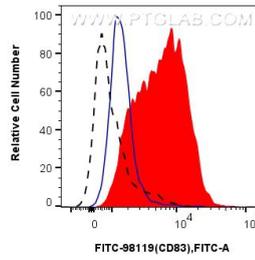
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## Selected Validation Data



$1 \times 10^6$  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.



$1 \times 10^6$  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).  $1 \times 10^6$  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.