

For Research Use Only

# FcZero-rAb® CoraLite® Plus 594 Anti-Human CD83 (HB15e) Rabbit Recombinant Antibody



Catalog Number: CL594-FcA65581

## Basic Information

**Catalog Number:**

CL594-FcA65581

**Size:**

100 tests, 5 ul/test

**Source:**

Rabbit

**Isotype:**

IgG

**GenBank Accession Number:**

BC030830

**GeneID (NCBI):**

9308

**ENSEMBL Gene ID:**

ENSG00000112149

**UNIPROT ID:**

Q01151

**Full Name:**

CD83 molecule

**Calculated MW:**

205 aa, 23 kDa

**Purification Method:**

Protein A purification

**CloneNo.:**

HB15e

**Recommended Dilutions:**

FC: 5 ul per 10<sup>6</sup> cells in a 100 µl suspension

**Excitation/Emission maximum wavelengths:**

588 nm / 604 nm

## Applications

**Tested Applications:**

FC

**Species Specificity:**

human, non-human primates

**Positive Controls:**

FC : human monocyte-derived mature dendritic cells,

## 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 and 0.5% BSA, pH7.3

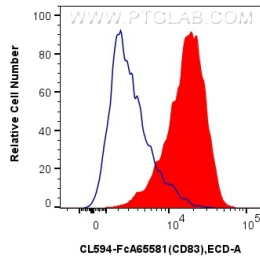
For technical support and original validation data for this product please contact:

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## Selected Validation Data



1x10<sup>6</sup> human monocyte-derived mature dendritic cells were surface stained with 5 ul CoraLite® Plus 594 Anti-Human CD83 (HB15e) Rabbit RecAb (CL594-FcA65581, Clone: HB15e) (red) or FcZero-rAb® CoraLite® Plus 594 Rabbit IgG Isotype Control Recombinant Antibody (CL594-FcA98136, Clone: 240953C9) (blue). Cells were not fixed.