

For Research Use Only

Anti-Human CD83 (HB15e)

Catalog Number: 65171-1-Ig



Basic Information

Catalog Number:

65171-1-Ig

Size:

100ug, 1 mg/ml

Source:

Mouse

Isotype:

IgG1, kappa

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:

Purified by protein-A affinity chromatography

CloneNo.:

HB15e

Applications

Tested Applications:

FC

Species Specificity:

human, non-human primates

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. Stable for one year after shipment.

Storage Buffer:

PBS with 0.1% sodium azide.

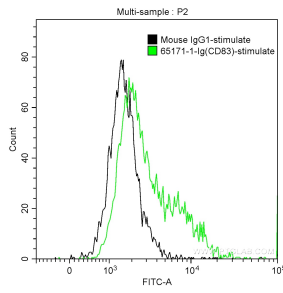
For technical support and original validation data for this product please contact:

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Selected Validation Data



1X10⁶ Human monocytes-derived dendritic cells (induced with GM-CSF+IL-4+TNF- α) were surface stained with 0.5 μ g Anti-Human CD83 (65171-1-Ig, Clone:HB15e) and FITC anti-Mouse IgG1 Antibody at dilution 1:50 (green), or stained with 0.5 μ g mouse IgG1 isotype control and FITC anti-Mouse IgG1 Antibody at dilution 1:50 (black). Cells were not fixed.