

For Research Use Only

CoraLite® Plus 594 Anti-Human CD83 (HB15e) Mouse IgG2a Recombinant Antibody

Catalog Number: CL594-65581



Basic Information

Catalog Number:

CL594-65581

Size:

100 tests, 5 µl/test

Source:

Mouse

Isotype:

IgG2a

GenBank Accession Number:

BC030830

GeneID (NCBI):

9308

ENSEMBL Gene ID:

ENSG00000112149

Full Name:

CD83 molecule

Calculated MW:

205 aa, 23 kDa

Purification Method:

Protein A purification

CloneNo.:

HB15e

Recommended Dilutions:

FC: 5 µg per 10⁶ cells in a 100 µl suspension

Excitation/Emission maxima wavelengths:

594 nm / 615 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

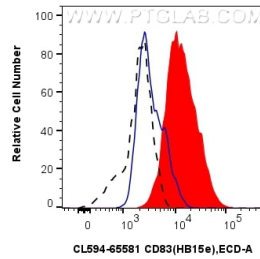
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

E: proteintech@ptglab.com
W: ptglab.com

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

Selected Validation Data



1×10^6 human monocyte-derived mature dendritic cells were surface stained with 5 μ g CoraLite® Plus 594 Anti-Human CD83 (HB15e) Mouse IgG2a RecAb (CL594-65581, Clone: HB15e) (red) or 5 μ g CoraLite® 594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (blue). 1×10^6 human PBMCs were surface stained with 5 μ g CoraLite® Plus 594 Anti-Human CD83 (HB15e) Mouse IgG2a RecAb (CL594-65581, Clone: HB15e) (black, dashed). Cells were