For Research Use Only

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

Catalog Number:CL594-65581

proteintech®
Antibodies | ELISA kits | Proteins
Uni-rAb
www.ptglab.com

Basic Information

Catalog Number:
CL594-65581

Concentration:
100tests, 5 ul/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 ug per 10^6 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

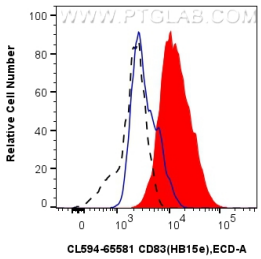
CD83 is a member of the immunoglobulin (Ig) superfamily, consisting of an extracellular V-type Ig-like domain, a transmembrane domain, and a cytoplasmic tail. CD83 is one of the most prominent markers for fully matured dendritic cells (DCs) (PMID: 17334966). It is also found on the surface of other activated 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 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: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

Selected Validation Data



1x10^6 human monocyte-derived mature dendritic cells were surface stained with 5 ug CoraLite® Plus 594 Anti-Human CD83 (HB15e) Mouse IgG2a RecAb (CL594-65581, Clone: HB15e) (red) or 5 ug CoraLite®594 Mouse IgG2a Isotype Control (C1.18.4) (CL594-65208, Clone: C1.18.4) (blue). 1x10^6 human PBMCs were surface stained with 5 ug CoraLite® Plus 594 Anti-Human CD83 (HB15e) Mouse IgG2a RecAb (CL594-65581, Clone: HB15e) (black, dashed). Cells were