

For Research Use Only

CoraLite® Plus 488 Anti-Human CD83 (HB15e) Mouse IgG2a Recombinant Antibody

Catalog Number: CL488-65581



Basic Information

Catalog Number:	CL488-65581	GenBank Accession Number:	BC030830	Purification Method:
Size:	100 tests, 5 µl/test	GenID (NCBI):	9308	Protein A purification
Source:	Mouse	ENSEMBL Gene ID:	ENSG00000112149	CloneNo.:
Isotype:	IgG2a	UNIPROT ID:	Q01151	HB15e
		Full Name:	CD83 molecule	Recommended Dilutions:
		Calculated MW:	205 aa, 23 kDa	FC: 5 µl per 10 ⁶ cells in a 100 µl suspension
				Excitation/Emission maxima wavelengths:
				493 nm / 522 nm

Applications

Tested Applications:	FC	Positive Controls:
Species Specificity:	human, non-human primates	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).

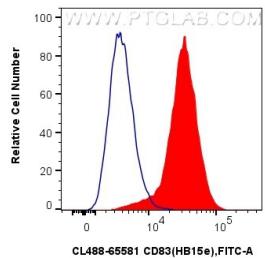
Storage

Storage:
Store at 2-8°C. Avoid exposure to light. Stable for one year after shipment.
Storage Buffer:
PBS with 0.09% sodium azide, pH7.3

For technical support and original validation data for this product please contact:
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in USA), or 1(312) 455-8498 (outside USA) E: proteintech@ptglab.com
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Selected Validation Data



1x10⁶ human monocyte-derived mature dendritic cells were surface stained with 5 μ l Coralite® Plus 488 Anti-Human CD83 (HB15e) Mouse IgG2a RecAb (CL488-65581, Clone: HB15e) (red) or Coralite® Plus 488 Mouse IgG2a Isotype Control (C1.18.4) (CL488-65208, Clone: C1.18.4) (blue). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.