

For Research Use Only

# Anti-Human CD83 (HB15e) Mouse IgG2a Recombinant Antibody

Catalog Number: 65581-1-MR



## Basic Information

<b>Catalog Number:</b> 65581-1-MR	<b>GenBank Accession Number:</b> BC030830	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug, 1000 ug/ml	<b>GeneID (NCBI):</b> 9308	<b>CloneNo.:</b> HB15e
<b>Source:</b> Mouse	<b>ENSEMBL Gene ID:</b> ENSG00000112149	
<b>Isotype:</b> IgG2a	<b>Full Name:</b> CD83 molecule	
	<b>Calculated MW:</b> 205 aa, 23 kDa	

## 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 0.09% sodium azide.

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

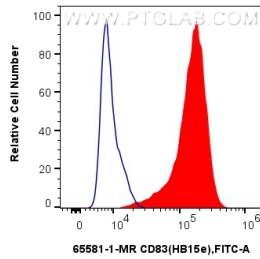
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

W: [ptgcn.com](http://ptgcn.com)

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

## Selected Validation Data



1x10<sup>6</sup> human monocyte-derived mature dendritic cells were surface stained with 0.25 ug Anti-Human CD83 Mouse IgG2a Recombinant Antibody (65581-1-MR, Clone: HB15e) (red) or 0.25 ug Mouse IgG2a Isotype Control (65208-1-Ig, Clone: C1.18.4) (blue) and CoraLite®488-Conjugated AffiniPure Donkey Anti-Mouse IgG(H+L). Cells were incubated with FC Receptor Block prior to staining. Cells were not fixed.