



20190520BB

# Anti-Human CD83 (#4B34)

**FOR RESEARCH ONLY! NOT FOR HUMAN USE!**

<b>Cat.-no.:</b>	<b>101-M316</b>
Size:	100 µg
Lot. No.:	According to product label

**Preparation:** This antibody was produced from a hybridoma (mouse myeloma fused with spleen cells from a mouse) immunized with human recombinant protein of CD83.

## Target Background

<b>Synonyms (Target):</b>	CD83; BL11; HB15
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CD83 is member of the Siglec family of transmembrane proteins. CD83 is a type I transmembrane glycoprotein that is a primary marker for dendritic cells. It also exists in multiple forms: membrane-bound CD83 is immunostimulatory while soluble CD83 is immunosuppressive. In the extracellular region, mouse and human CD83 are 66% identical at the aa level.

## Database References Target

<b>Protein RefSeq:</b>	NP_004224.1
<b>Uniprot ID:</b>	Q01151
<b>mRNA RefSeq:</b>	NM_004233.3

## Product Specifications

<b>Host</b>	Mouse
<b>Reactivity against</b>	Human
<b>Clonality</b>	Monoclonal Antibody
<b>Clone</b>	(#4B34)
<b>Isotype</b>	IgG2
<b>Purification</b>	Protein G chromatography
<b>Antigen</b>	human recombinant CD8
<b>Formulation</b>	lyophilized
<b>Reconstitution buffer</b>	PBS (sterile)

**Reconstitution:** Reconstitute the antibody with 200 µl sterile PBS and the final concentration is 500 µg/ml.

**Stability:** Lyophilized samples are stable for 2 years from date of receipt when stored at -70°C. Reconstituted antibody can be aliquoted and stored frozen at < -20 °C for at least for six months without detectable loss of activity.

**Remarks:** This antibody was selected for its ability to detect human CD83.

**AVOID REPEATED FREEZE AND THAW CYCLES!**

## Applications

The antibody can be used within the following applications:

IHC, FC

### Recommended usage:

**FC:** 1:50-100

**IHC (frozen):** 1:20-100

**NOTE: OPTIMAL DILUTIONS SHOULD BE DETERMINED BY EACH LABORATORY FOR EACH APPLICATION!**