

## ARG56144 anti-CD83 antibody [HB15e]

Package: 100 µg  
Store at: -20°C

### Summary

Product Description	Mouse Monoclonal antibody [HB15e] recognizes CD83
Tested Reactivity	Hu, NHuPrm
Tested Application	CyTOF®-candidate, FACS, IHC-Fr
Specificity	This antibody recognizes CD83, a 40-45 kDa type I glycoprotein expressed on mature dendritic cells.
Host	Mouse
Clonality	Monoclonal
Clone	HB15e
Isotype	IgG1
Target Name	CD83
Species	Human
Immunogen	Human CD83-transfected Cos cells.
Conjugation	Un-conjugated
Alternate Names	hCD83; CD83 antigen; CD antigen CD83; HB15; BL11; Cell surface protein HB15; B-cell activation protein

### Application Instructions

Application table	Application	Dilution
	CyTOF®-candidate	Assay-dependent
	FACS	1 - 4 µg/ml
	IHC-Fr	Assay-dependent
Application Note	IHC-Fr: Acetone fixation * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.	
Positive Control	FACS: Peripheral blood-derived dendritic cells.	

### Properties

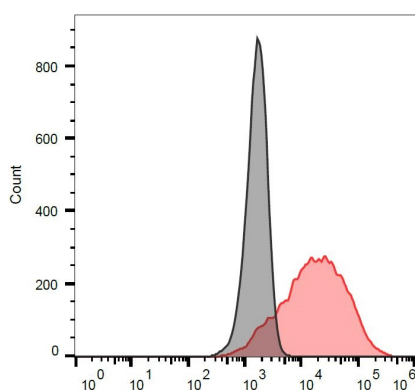
Form	Liquid
Purification	Purification with Protein A.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

## Bioinformation

Database links	<a href="#">GeneID: 9308 Human</a> <a href="#">Swiss-port # Q01151 Human</a>
Gene Symbol	CD83
Gene Full Name	CD83 molecule
Background	The protein encoded by this gene is a single-pass type I membrane protein and member of the immunoglobulin superfamily of receptors. The encoded protein may be involved in the regulation of antigen presentation. A soluble form of this protein can bind to dendritic cells and inhibit their maturation. Three transcript variants encoding different isoforms have been found for this gene. [provided by RefSeq, Oct 2011]
Function	May play a significant role in antigen presentation or the cellular interactions that follow lymphocyte activation. [UniProt]
Highlight	Related products: <a href="#">CD83 antibodies</a> ; <a href="#">Anti-Mouse IgG secondary antibodies</a> ; Related news: <a href="#">CyTOF-candidate Antibodies</a> <a href="#">Detecting exosomal HMGB1 for ICD research</a>
Calculated Mw	23 kDa

## Images



ARG56144 anti-CD83 antibody [HB15e] FACS image

Flow Cytometry: Separation of IFN alpha-stimulated human monocytes (red) from unstimulated peripheral blood mononuclear cells (black). Cells were stained with ARG56144 anti-CD83 antibody [HB15e] at 2 µg/ml dilution, followed by APC-conjugated Goat anti-Mouse antibody.