

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

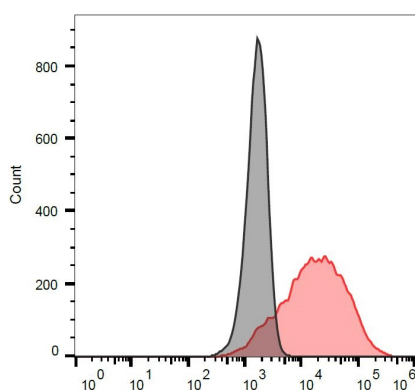
Form	Liquid
Purification	Purification with Protein A.
Purity	> 95% (by SDS-PAGE)
Buffer	PBS (pH 7.4) and 15 mM Sodium azide
Preservative	15 mM Sodium azide
Concentration	1 mg/ml

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	GeneID: 9308 Human Swiss-port # Q01151 Human
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: CD83 antibodies ; Anti-Mouse IgG secondary antibodies ; Related news: CyTOF-candidate Antibodies Detecting exosomal HMGB1 for ICD research
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.