.-online.com antibodies

Datasheet for ABIN775709 anti-CD83 antibody

Image



Overview

Quantity:	0.1 mg
Target:	CD83
Reactivity:	Human, Non-Human Primate
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This CD83 antibody is un-conjugated
Application:	Flow Cytometry (FACS), Immunohistochemistry (Frozen Sections) (IHC (fro))

Product Details

Immunogen:	Human CD83-transfected Cos cells
Clone:	HB15e
Isotype:	IgG1 kappa
Specificity:	The mouse monoclonal antibody HB15e recognizes an extracellular epitope of CD83, a 40-45 kDa type I glycoprotein expressed on mature dendritic cells.
Cross-Reactivity (Details):	Human, Non-Human Primates
Purification:	Purified by protein-A affinity chromatography.
Purity:	> 95 % (by SDS-PAGE)

Target Details

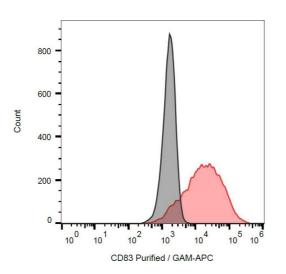
Target:

CD83

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 1/3 | Product datasheet for ABIN775709 | 03/05/2024 | Copyright antibodies-online. All rights reserved.

Target Details	
Alternative Name:	CD83 (CD83 Products)
Background:	CD83 Molecule,CD83 is a 40-45 kDa heavily glycosylated type I cell surface glycoprotein of
	immunoglobulin family. It is expressed on the surface of mature dendritic cells, Langerhans
	cells in the skin, and interdigitating reticulum cells in the lymphoid tissues. Low expression of
	CD83 has been reported in activated T and B cells. Cytoplasmic expression of CD83 can be
	detected also in monocytes and macrophages. CD83 is involved in modulation of antigen
	presentation. Soluble CD83 has immunoregulatory functions, it is able to down-regulate
	dendritic cell maturation and stimulation of T cells. In the developing immune system, release
	of soluble CD83 from dendritic cells upon stimulation by gram-positive or gram-negative
	bacteria has anti-allergic effect. Herpes simplex virus, on the other hand, causes CD83
	degradation in mature dendritic cells.,BL11, HB15
Gene ID:	9308
UniProt:	Q01151
Application Details	
Application Notes:	Flow cytometry:Recommended dilution: 1-4 μ g/mL, Positive control: peripheral blood-derived
	dendritic cells.
	Immunohistochemistry (frozen sections): acetone fixation.
Restrictions:	For Research Use only
Handling	
Concentration:	1 mg/mL
Buffer:	Phosphate buffered saline (PBS), pH 7.4, 15 mM sodium azide
Preservative:	Sodium azide
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which
	should be handled by trained staff only.
Handling Advice:	Do not freeze.
Storage:	4 °C
Storage Comment:	Store at 2-8°C. Do not freeze.

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 2/3 | Product datasheet for ABIN775709 | 03/05/2024 | Copyright antibodies-online. All rights reserved.



Flow Cytometry

Image 1. Separation of IFN alpha-stimulated human monocytes (red) from unstimulated peripheral blood mononuclear cells (black) stained using anti-human CD83 (HB15e) purified antibody (concentration in sample 2 μ g/mL, GAM APC) in flow cytometry analysis (surface staining).

Order at www.antibodies-online.com | www.antikoerper-online.de | www.anticorps-enligne.fr | www.antibodies-online.cn International: +49 (0)241 95 163 153 | USA & Canada: +1 877 302 8632 | support@antibodies-online.com Page 3/3 | Product datasheet for ABIN775709 | 03/05/2024 | Copyright antibodies-online. All rights reserved.