

Product Datasheet

CD83 Antibody (orb3066786)

Catalog Number	orb3066786
Category	Antibodies
Description	CD83 is a heavily glycosylated membrane protein of the immunoglobulin (Ig) superfamily that is expressed in mature Dendritic cells, Langerhans cells and interdigitating reticulum cells within lymphoid tissues. Structurally, CD83 resembles other Ig superfamily members, which have an extracellular V-type Ig-like domain, a single transmembrane domain and a 40 residue cytoplasmic tail. CD83 expression is used as a marker for mature, antigen presenting Dendritic cells that are capable of generating tumor-specific T cell immunity, a phenotype with implications as an anti-cancer vaccine. CD83-IgG1(Fc) chimera studies indicate that CD83 is a sialic acid-binding, Ig-like Lectin (Siglec) adhesion molecule that is involved in cell adhesion/signaling by hosting Dendritic cell interactions with monocytes and CD8+ T cells.
Clonality	Monoclonal
Species/Host	Mouse
Isotype	Mouse IgG1, kappa
Conjugation	Unconjugated
Reactivity	Human
Buffer/Preservatives	0.2 mg/ml in 1X PBS with 0.1 mg/ml rAlbumin, 0.05% sodium azide
Purification	Protein G affinity
Immunogen	Prokaryotic recombinant protein corresponding to 124 amino acids of the external N-terminus of the CD83 molecule was used as the immunogen for the CD83 antibody.
UniProt ID	Q01151

Biorbyt Ltd.

7 Signet Court, Swann Road
Cambridge
CB5 8LA
United Kingdom

Email: info@biorbyt.com, support@biorbyt.com
Phone: +44 (0)1223 859353 | Fax: +1 (415) 651-8558

Biorbyt LLC

68 TW Alexander Drive
Research Triangle Park
Durham
NC 27713-2847
United States

Email: info@biorbyt.com, support@biorbyt.com
Phone: +1 (415) 906-5211 | Fax: +1 (415) 651-8558

Tested applications	IHC-P, WB
Dilution range	Western blot: 2-4ug/ml, Immunohistochemistry (FFPE): 1-2ug/ml
Application notes	Optimal dilution of the CD83 antibody should be determined by the researcher.
Antibody Type	Primary Antibody
Clone Number	1H4b
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Expiration Date	12 months from date of receipt.

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