

Recombinant Human CD83, Fc-tagged

Cat. No. CD83-150H **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The extracellular domain of human CD83 (aa 20-131) is fused to the N-terminus of the Fc region of human IgG1.
Species	Human
Source	CHO
ProteinLength	20-131 a.a.
Description	Human CD83 is a 40-50 kDa member of the Siglec (or sialic-acid-binding immunoglobulin-like lectin) family of transmembrane proteins. CD83 is a primary marker for dendritic cells. It is also found on B cells, neutrophils, monocytes and macrophages. Except for dendritic cells, CD83 expression is often transient. CD83 binds to sialic acids on target cells. Membrane CD83 promotes T cell proliferation, particularly of CD8+ cytotoxic T cells. Soluble CD83 is immunosuppressive and blocks T cell activation. On monocytes, CD83 is suggested to drive monocytes into a fibrocyte phenotype. A lack of membrane-expressed CD83 leads to an unusual IL-4/IL-10 producing CD4+ T cell phenotype.
Form	Lyophilized from 0.2µm-filtered solution in PBS.
Purity	≥98% (SDS-PAGE)
Stability	Stable for at least 1 year after receipt when stored at -20°C. Working aliquots are stable for up to 3 months when stored at -20°C.

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Storage Short Term Storage: +4°C; Long Term Storage: -20°C. Avoid freeze/thaw cycles.

GENE INFORMATION

Gene Name [CD83 CD83 molecule \[Homo sapiens \]](#)

Official Symbol CD83

Synonyms

CD83; CD83 molecule; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily) , CD83 molecule; CD83 antigen; BL11; HB15; hCD83; B-cell activation protein; cell surface protein HB15; cell-surface glycoprotein; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily);

Gene ID [9308](#)

mRNA Refseq [NM_001040280](#)

Protein Refseq [NP_001035370](#)

MIM [604534](#)

UniProt ID [Q01151](#)

Chromosome Location 6p23

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