

Recombinant Mouse CD80 Protein, Fc-tagged

Cat. No. CD80-591M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD80 protein with Fc tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	306
Description	Predicted to enable coreceptor activity. Acts upstream of or within T cell costimulation; cellular response to lipopolysaccharide; and positive regulation of alpha-beta T cell proliferation. Located in external side of plasma membrane. Is expressed in heart ventricle and skin. Human ortholog(s) of this gene implicated in type 1 diabetes mellitus. Orthologous to human CD80 (CD80 molecule).
Form	Lyophilized
Molecular Mass	50.3 kDa
AA Sequence	MACNCQLMQDTPLLKFCPRILLFVLLIRLSQVSSDVDEQLSKSVKDKVLLPCRYNS PHEDESEDRIYWQKHDKVVL SVIAGKLKVWPEYKNRTLYDNTTYSLIILGLVLSDRGT YSCVVQKKERGTYEVKHLALVKLSIKADFSTPNITESGNPSADTKRITCFASGGFPKP RFSWLENGRELPGINTTISQDPESELYTISSQLDFNTTRNHTIKCLIKYGDAHVSEDFT WEKPPEDPPDSKNTLVLFAGFGAVITVVVIVVVIKCFCKHRSCFRRNEASRETNNSL TFGP EEALAEQTVFL

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Purity	> 98%
Applications	WB; ELISA; FACS; FC
Stability	This bioreagent is stable at 4 centigrade (short-term) and -70 centigrade(long-term). After reconstitution, sample may be stored at 4 centigrade for 2-7 days and below -18 centigrade for future use.
Storage	At -20 centigrade.
Concentration	1 mg/mL
Storage Buffer	PBS (pH 7.4-7.5). Sterile-filtered colorless solution.
Reconstitution	Reconstitute in sterile distilled H2O to no less than 100 µg/mL; dilute reconstituted stock further in other aqueous solutions if needed. Please review COA for lot-specific instructions. Final measurements should be determined by the end-user for optimal performance.

GENE INFORMATION

Gene Name	Cd80 CD80 antigen [Mus musculus (house mouse)]
Official Symbol	CD80
Synonyms	CD80; CD80 antigen; T-lymphocyte activation antigen CD80; B7 protein; activation B7-1 antigen; B71; Ly53; TSA1; Cd28l; Ly-53; MIC17;
Gene ID	12519
mRNA Refseq	NM_009855

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Protein Refseq	NP_033985
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UniProt ID	Q00609
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