Recombinant Mouse CD86 Protein

Cat. No. CD86-596M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse CD86 protein without tag was expressed in HEK293.
Species	Mouse
Source	HEK293
ProteinLength	309
Description	Predicted to enable signaling receptor binding activity. Involved in several processes, including CD40 signaling pathway; activation of phospholipase C activity; and positive regulation of macromolecule metabolic process. Acts upstream of or within several processes, including cellular response to lipopolysaccharide; defense response to virus; and positive regulation of T cell proliferation. Located in external side of plasma membrane and intracellular membrane-bounded organelle. Is expressed in central nervous system and retina. Used to study Guillain-Barre syndrome. Human ortholog(s) of this gene implicated in several diseases, including Henoch-Schoenlein purpura; autoimmune disease (multiple); chronic lymphocytic leukemia; chronic obstructive pulmonary disease; and systemic scleroderma. Orthologous to human CD86 (CD86 molecule).
Form	Lyophilized
Molecular Mass	27.1 kDa
AA Sequence	MDPRCTMGLAILIFVTVLLISDAVSVETQAYFNGTAYLPCPFTKAQNISLSELVVFWQ

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	DQQKLVLYEHYLGTEKLDSVNAKYLGRTSFDRNNWTLRLHNVQIKDMGSYDCFIQK KPPTGSIILQQTLTELSVIANFSEPEIKLAQNVTGNSGINLTCTSKQGHPKPKKMYFLIT NSTNEYGDNMQISQDNVTELFSISNSLSLSFPDGVWHMTVVCVLETESMKISSKPLN FTQEFPSPQTYWKEITASVTVALLLVMLLIIVCHKKPNQPSRPSNTASKLERDSNADR ETINLKELEPQIASAKPNAE
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	Cd86 CD86 antigen [Mus musculus (house mouse)]
Official Symbol	CD86

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Synonyms	CD86; CD86 antigen; T-lymphocyte activation antigen CD86; activation B7-2 antigen; early T cell costimulatory molecule-1; early T-cell costimulatory molecule 1; B7; B70; MB7; B7-2; B7.2; CLS1; Ly58; ETC-1; Ly-58; MB7-2; Cd28l2; TS/A-2;
Gene ID	12524
mRNA Refseq	NM_019388
Protein Refseq	NP_062261
UniProt ID	P42082

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