

Recombinant Cynomolgus monkey CD86 Protein

Cat. No. CD86-592C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey CD86 protein without tag was expressed in HEK293.
Species	Cynomolgus
Source	HEK293
ProteinLength	324
Description	This gene encodes a type I membrane protein that is a member of the immunoglobulin superfamily. This protein is expressed by antigen-presenting cells, and it is the ligand for two proteins at the cell surface of T cells, CD28 antigen and cytotoxic T-lymphocyte-associated protein 4. Binding of this protein with CD28 antigen is a costimulatory signal for activation of the T-cell. Binding of this protein with cytotoxic T-lymphocyte-associated protein 4 negatively regulates T-cell activation and diminishes the immune response. Alternative splicing results in several transcript variants encoding different isoforms.
Form	Lyophilized
Molecular Mass	27.3 kDa
AA Sequence	TMGLSNTLFVMAFLLSGAAPLKIQAYFNETADLPCQFANSQNRSLSELVFWQNQE NLVLNEVYLGKEKFDSVHSKYMGRTSFDPESWTLRLHNLQIKDKGLYQCIIHHRPT GMIRIHQMNSELSVLANFSQPEIVPISNITENMYINLTCSSIHGYPEPEKMSVLLRRTKN

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STIEYDGVMQKSQDNVTELYDVSISLSVSPDPVTSNMTIFCVLETDKTQLLSSPFSIEL
 EDPQPPPDHIPWITAVLPTVIICVMAFCLILWKWKKKKQPRNSYKCGTNTMERESE
 QTKKREKINVPERSDEAQC VFKSLKTPSCDKSDTRF

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 molecule [*Macaca mulatta* (Rhesus monkey)]

Official Symbol CD86

Synonyms CD86; CD86 molecule; T-lymphocyte activation antigen CD86; CD86 antigen;

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Gene ID	714390
mRNA Refseq	NM_001042644
Protein Refseq	NP_001036109
UniProt ID	Q9BDM4

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