

Recombinant Cynomolgus monkey CD274 Protein

Cat. No. CD274-706C **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Cynomolgus monkey CD274 Protein, was expressed in HEK293 without tag.
Species	Cynomolgus
Source	HEK293
ProteinLength	290
Description	This gene encodes an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Expression of this gene in tumor cells is considered to be prognostic in many types of human malignancies, including colon cancer and renal cell carcinoma. Alternative splicing results in multiple transcript variants.
Form	Lyophilized
Molecular Mass	27.1 kDa

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AA Sequence	MRIFAVFIFTIYWHLNNAFTVTVPKDLYVVEYGSNMTIECKFPVEKQLDLTSLIVYWEM EDKNIIQFVHGEECLKVQHSNYRQRAQLLKDQLSLGNAALRITDVKLQDAGVYRCMI SYGGADYKRITVKVNAPYNKINQRILVVDPTSEHELTCQAEGYPKAEVIWTSSDHQ VLSGKTTTTNSKREEKLLNVTSTLRINTTANEIFYCIFRRLDPEENHTAELVIPELPLAL PPNERTHLVILGAIFLLLGVALTFIFYLRKGRMMDMKKCGIRVTNSKKQRDTQLEET
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	CD274 CD274 molecule [<i>Macaca mulatta</i> (Rhesus monkey)]
Official Symbol	CD274

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Synonyms	CD274; CD274 molecule; programmed cell death 1 ligand 1; programmed cell death ligand 1;
Gene ID	716043
mRNA Refseq	NM_001083889
Protein Refseq	NP_001077358
UniProt ID	A0A5F8A285

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