Recombinant Mouse Cd274 Protein, mFc-tagged, low endotoxin, FITC conjugated

Cat. No. Cd274-359MF **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant Mouse Cd274 Protein (19-238aa), was expressed in human 293 cells (HEK293) with C-terminal mouse IgG2a Fc tag, FITC conjugate (low endotoxin).
Species	Mouse
Source	HEK293
ProteinLength	19-238 aa
Description	Programmed cell death 1 ligand 1 (PDL1) is also known as B7-H, B7H1, MGC142294, MGC142296, PD-L1, PDCD1L1 and PDCD1LG1,which is a member of the growing B7 family of immune molecules and is involved in the regulation of cellular and humoral immune responses.PDL1 is a cell surface immunoglobulin superfamily with two Ig-like domains within the extracellular region and a short cytoplasmic domain. This protein is broadly expressed in the majority of peripheral tissues as well as hematopoietic cells. Interaction between PDL1 and its receptors belonging to the CD28 family of molecules provide both stimulatory and inhibitory signals in regulating T cell activation and tolerance. PDL1 may inhibit ongoing T-cell responses by inducing apoptosis and arresting cell-cycle progression.
Form	Lyophilized
Molecular Mass	The protein has a calculated MW of 51.8 kDa. The protein migrates as 65-85 kDa on a SDS-PAGE gel under reducing (R) condition due to glycosylation.

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Endotoxin	< 0.1 EU/ μg by the LAL method.
Purity	> 95 % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with FITC via amines Excitation source: 488 nm spectral line, argon-ion laser Excitation Wavelength: 488 nm Emission Wavelength: 535 nm
Storage	For long term storage, the product should be stored at lyophilized state at -20 centigrade or lower. Please avoid repeated freeze-thaw cycles. This product is stable after storage at: -20 to -70 centigrade for 12 months in lyophilized state; -70 centigrade for 3 months under sterile conditions after reconstitution.
Storage Buffer	Lyophilized from 0.22 μm filtered solution in PBS, pH7.4, 10% trehalose.
Reconstitution	It is recommended that sterile water be added to the vial to prepare a stock solution of 0.2 μg/μL. Centrifuge the vial at 4 centigrade before opening to recover the entire contents.
Conjugation	FITC

GENE INFORMATION

Gene Name	Cd274
Official Symbol	Cd274

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Synonyms	B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik
Gene ID	60533
mRNA Refseq	NM_021893
Protein Refseq	NP_068693
UniProt ID	Q9EP73

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