

# Active Recombinant Mouse Interleukin CD274 Protein, MlgG2a mFc-tagged Protein, mutant, Alexa Fluor 555 conjugated

**Cat. No.** CD274-189MAF555    **Lot. No.** (See product label)

## SPECIFICATION

<b>Product Overview</b>	Recombinant Mouse CD274 [B7-H1] Protein extracellular domain (NP_068693.1, 19-237aa), was expressed in CHO cell with N-terminal mutant mouse IgG2a Fc tag and Alexa Fluor 555 conjugate.
<b>Species</b>	Mouse
<b>Source</b>	CHO
<b>ProteinLength</b>	19-237 aa
<b>Description</b>	CD274 (CD274 molecule) is a protein-coding gene. Diseases associated with CD274 include pulmonary venoocclusive disease, and htlv-1 associated myelopathy/tropical spastic paraparesis, and among its related super-pathways are Immune System and Phosphorylation of CD3 and TCR zeta chains. GO annotations related to this gene include protein binding
<b>Form</b>	Lyophilized
<b>Bio-activity</b>	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated mouse T cells.
<b>Molecular Mass</b>	53 kDa
<b>AA Sequence</b>	Phe19-Arg237

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<b>Endotoxin</b>	< 0.06 EU/ µg as determined by LAL test.
<b>Purity</b>	≥98 % by SDS-PAGE under reducing conditions.
<b>Characteristic</b>	Disulfide-linked homodimer Labeled with Alexa Fluor 555 via amines With an excitation and emission maximum of 555/565 nm, Alexa Fluor 555 can be efficiently excited using a 543 nm He-Ne laser line and detected under standard TRITC/Cy3 filters.
<b>Stability</b>	Stable for at least 1 year after receipt when stored at -20 centigrade. Working aliquots are stable for up to 3 months when stored at -20 centigrade.
<b>Concentration</b>	100 µg/mL
<b>Storage Buffer</b>	Lyophilized from 0.2 µm filtered solution in PBS.
<b>Reconstitution</b>	Reconstitute at 100 µg/mL in sterile PBS.
<b>Conjugation</b>	Alexa Fluor 555

## GENE INFORMATION

<b>Gene Name</b>	Cd274 CD274 antigen [ <i>Mus musculus</i> ]
<b>Official Symbol</b>	CD274
<b>Synonyms</b>	CD274; CD274 antigen; programmed cell death 1 ligand 1; B7 homolog 1; PDCD1 ligand 1; programmed death ligand 1; B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik;

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Gene ID	60533
mRNA Refseq	NM_021893
Protein Refseq	NP_068693

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