Active Recombinant Mouse Interleukin CD274 Protein, MIgG2a mFc-tagged Protein, mutant, Alexa Fluor 488 conjugated

Cat. No. CD274-189MAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	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 488 conjugate.
Species	Mouse
Source	CHO
ProteinLength	19-237 aa
Description	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
Form	Lyophilized
Bio-activity	Measured by its ability to inhibit anti-CD3-induced proliferation of stimulated mouse T cells.
Molecular Mass	53 kDa
AA Sequence	Phe19-Arg237

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

Endotoxin	< 0.06 EU/ μg as determined by LAL test.
Purity	≥98 % by SDS-PAGE under reducing conditions.
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Stability	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.
Concentration	100 μg/mL
Storage Buffer	Lyophilized from 0.2 μm filtered solution in PBS.
Reconstitution	Reconstitute at 100 μg/mL in sterile PBS.
Conjugation	Alexa Fluor 488

GENE INFORMATION

Gene Name	Cd274 CD274 antigen [Mus musculus]
Official Symbol	CD274
Synonyms	CD274; CD274 antigen; programmed cell death 1 ligand 1; B7 homolog 1; PDCD1 ligand 1; programmed death ligand 1; B7h1; Pdl1; Pdcd1l1; Pdcd1lg1; A530045L16Rik;
Gene ID	60533

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA

mRNA Refseq	NM_021893
Protein Refseq	NP_068693

Tel: 1-631-559-9269 1-516-512-3133
Email: info@creative-biomart.com Fax: 1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA