

Product Data Sheet

Recombinant Mouse CD274 Protein

Catalog #	Source	Reactivity	Applications
CRP1216	Human cells	Mouse	E, WB, SDS-PAGE, MS
Description	Recombinant Mouse CD274 Protein is produced by our mammalian expression system and the target gene encoding Phe19-Thr238 is expressed with a Fc tag at the C-terminus.		
Form	Lyophilized from a 0.2 μM filtered solution of 20mM PB, 150mM NaCl, pH 7.4.		
Gene Symbol	CD274		
Alternative Names	B7H1; PDCD1L1; PDCD1LG1; PDL1; Programmed cell death 1 ligand 1; PD-L1; PDCD1 ligand 1; Programmed death ligand 1; B7 homolog 1; B7-H1; CD274		
Entrez Gene	60533 (Mouse)		
SwissProt	Q9EP73 (Mouse)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	FTITAPKDLY VVEYGSNVTM ECRFPVEREL DLLALVYWE KEDEQVIQFV AGEEDLKPQH SNFRGRASLP KDQLLKGNAA LQITDVKLQD AGVYCCISY GGADYKRITL KVNAPYRKIN QRISVDPATS EHELICQAEG YPEAEVIWTN SDHQPVSGKR SVTTSRTEGM LLNVTSSLRV NATANDVFYC TFWRSQPGQN HTAELIPEL PATHPPQNRT VDDIEGRMDE PKSCDKTHTC PPCPAPELLG GPSVFLFPPK PKDTLMISRT PEVTCVVVDV SHEDPEVKFN WYVDGVEVHN AKTKPREEQY NSTYRVVSVL TVLHQDWLNG KEYKCKVSNK ALPAPIEKTI SKAKGQPREP QVYTLPPSRE EMTKNQVSLT CLVKGFYPSD IAVEWESNGQ PENNYKTPPP VLDSGDGSFFL YSKLTVDKSR WQQGNVFSCS VMHEALHNHY TQKSLSLSPG K		
Quality Control	Endotoxin: Less than 0.1 ng/μg (1 IEU/μg) as determined by LAL test.		
Directions for Use	Always centrifuge tubes before opening. Do not mix by vortex or pipetting. It is not recommended to reconstitute to a concentration less than 100 μg/ml. Dissolve the		
Application key: E- ELISA, WB- Western blot, IH- Immunohistochemistry, IF- Immunofluorescence, FC- Flow cytometry, IC- Immunocytochemistry, IP- Immunoprecipitation, ChIP- Chromatin Immunoprecipitation, EMSA- Electrophoretic Mobility Shift Assay, BL- Blocking, SE- Sandwich ELISA, CBE- Cell-based ELISA, RNAi- RNA interference			
Species reactivity key: H- Human, M- Mouse, R- Rat, B- Bovine, C- Chicken, D- Dog, G- Goat, Mk- Monkey, P- Pig, Rb- Rabbit, S- Sheep, Z- Zebrafish			

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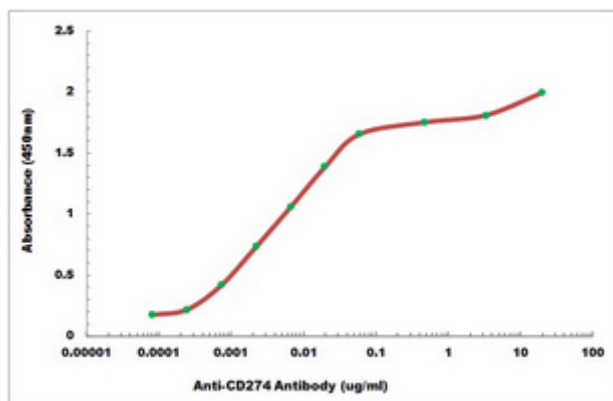
lyophilized protein in 1X PBS. Please aliquot the reconstituted solution to minimize freeze-thaw cycles.

Storage/Stability

Lyophilized protein should be stored at -20°C, though stable at room temperature for 3 weeks. Reconstituted protein solution can be stored at 2-8°C for 2-7 days.

Aliquots of reconstituted samples are stable at -20°C for 3 months.

Bioactivity



Immobilized Recombinant Mouse CD274 Protein at 2 µg/ml (100 µl/well) can bind Anti-CD274 antibody. The ED50 of Anti-CD274 antibody is 0.008 µg/ml.

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