

Recombinant Human CD274 Protein

Catalog #	Source	Reactivity	Applications
CRP2637	Human cells	Human	E, WB, SDS-PAGE, MS
Description	Recombinant Human CD274 Protein is produced by mammalian expression system and the target gene encoding Phe19-Thr239 is expressed with a Fc tag at the C-terminus.		
Form	Lyophilized from a 0.2 µm filtered solution of 20mM PB, 150mM NaCl, pH7.4.		
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	29126 (Human)		
SwissProt	Q9NZQ7 (Human)		
Purity	Greater than 95% as determined by reducing SDS-PAGE.		
Chemical Structure	<p>FTVTVPKDLY VVEYGSNMTI ECKFPVEKQL DLAALIVYWE MEDKNIIQFV HGEEDLKVQH</p> <p>SSYRQRARLL KDQLSLGNAA LQITDVKLQD AGVYRCMISY GGADYKRITV KVNAPYNKIN</p> <p>QRILVDPVT SEHELTCQAE GYPKAEVIWT SSDHQVLSGK TTTTNSKREE KLFNVTSTLR</p> <p>INTTTNEIFY CTFRRLDPEE NHTAELVIPE LPLAHPPNER TVDDIEGRMD EPKSCDKTHT</p> <p>CPPCPAPELL GGPSVFLFPP KPKDTLMISR TPEVTCVVVD VSHEDPEVKF NWFYVDGVEVH</p> <p>NAKTKPREEQ YNSTYRVVSV LTVLHQDWLN GKEYKCKVSN KALPAPIEKT ISKAKGQPRE</p> <p>PQVYTLPPSR EEMTKNQVSL TCLVKGFYPS DIAVEWESNG QPENNYKTP PVLDSGGSFF</p> <p>LYSKLTVDKS RWQQGNVFSC SVMHEALHNNH YTQKSLSLSP GK</p>		
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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Product Data Sheet

lyophilized protein in ddH₂O. 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.

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