

## Recombinant Human PDCD1LG2 Protein

Catalog #	Source	Reactivity	Applications
CRP2072	Human cells	Human	E, WB, SDS-PAGE, MS

**Description** Recombinant Human PDCD1LG2 Protein is produced by our Mammalian expression system and the target gene encoding Leu20-Pro219 is expressed with a 6His tag at the C-terminus.

**Form** Lyophilized from a 0.2  $\mu$ M filtered solution of 20mM PB, 150mM NaCl, pH 7.4.

**Gene Symbol** PDCD1LG2

**Alternative Names** B7DC; CD273; PDCD1L2; PDL2; Programmed cell death 1 ligand 2; PD-1 ligand 2; PD-L2; PDCD1 ligand 2; Programmed death ligand 2; Butyrophilin B7-DC; B7-DC; CD273

**Entrez Gene** 80380 (Human)

**SwissProt** Q9BQ51 (Human)

**Purity** Greater than 95% as determined by reducing SDS-PAGE.

**Chemical Structure** LFTVTVPKEL YIIHGSNVT LECNFDTGSH VNLGAITASL QKVENDTSPH RERATLLEEQ  
LPLGKASFHI PQVQRDEGQ YQCIIYGVA WDYKYLTLKV KASYRKINTH ILKVPETDEV  
ELTCQATGYP LAEVSWPNVS VPANTSHSRT PEGLYQVTSV LRLKPPPGRN FSCVFWNTHV  
RELTLASIDL QSQMEPRTHP VDHHHHHH

**Quality Control** Endotoxin: Less than 0.1 ng/ $\mu$ g (1 IEU/ $\mu$ g) 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  $\mu$ g/ml. Dissolve the 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

**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

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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