# PDCD1LG2
# Recombinant Human PD-L2/CD273:Fc Chimera

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| **Catalog No.** | CRH033 | **Quantity:** | 100 µg |

**Alternate Names:** B7DC, Btdc, PDL2, CD273, PD-L2, PDCD1L2

**Description:** T cells require a signal induced by the engagement of the T cell receptor and a costimulatory signal(s) through distinct T cell surface molecules for optimal T cell activation and tolerance. CD273 (PD-L2) is one of two ligands for programmed death-1 (PD-1, CD279), a member of the CD28 family of immunoreceptors. The other identified ligand is PD-L1. CD273 is broadly expressed and also up regulated in a variety of tumor cell lines. On previously activated T cells, CD273 interaction with PD-1 inhibits TCR mediated proliferation and cytokine production, suggesting an inhibitory role in regulating immune responses. CD273 has a costimulatory function on resting T cells activated with suboptimal TCR signals.

The extracellular domain of human CD273 [PD-L2] (aa 20-219) is fused to the N-terminus of the Fc region of human IgG1.

**Gene ID:** 80380

**Protein Accession No:** NP_079515.2

**Source:** CHO cells

**Formulation:** Lyophilized from a 0.2 µm filtered solution containing PBS.

**Purity:** ≥98% (SDS-PAGE)

**Endotoxin Level:** <0.06 EU/µg purified protein as determined by LAL test (Lonza).

**Reconstitution:** Reconstitute with 100 µl (1 mg/ml) sterile water. Add 1X PBS to the desired protein concentration.

**Storage & Stability:** Store at 4°C upon arrival and at -20°C for long term. Lyophilized product is stable for at least 1 year after receipt when stored at -20°C. After reconstitution, prepare aliquots and store at -20°C. Stable for up to 3 month at -20°C. **Avoid repeated freeze-thaw cycles.**

**NOT FOR HUMAN USE. FOR RESEARCH ONLY. NOT FOR DIAGNOSTIC OR THERAPEUTIC USE.**

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