PRODUCT INFORMATION

Target	PDL1
Synonyms	B7h1;Pdl1;Pdcd1l1;Pdcd1lg1;A530045L16Rik
Description	Recombinant mouse PD-L1 protein with C-terminal human Fc tag
Delivery	In Stock
Uniprot ID	Q9EP73
Expression Host	HEK293
Tag	C-Human Fc Tag
Molecular Characterization	Mouse PD-L1(Phe19-Arg237) hFc(Glu99-Ala330)
Molecular Weight	The protein has a predicted molecular mass of 50.8 kDa after removal of the signal peptide. The apparent molecular mass of mPD-L1-hFc is approximately 55-100 kDa due to glycosylation.
Purity	The purity of the protein is greater than 95% as determined by SDS-PAGE and Coomassie blue staining.
Formulation & Reconstitution	Lyophilized from sterile PBS, pH 7.4. Normally 5 % – 8% trehalose is added as protectants before lyophilization. Please see Certificate of Analysis for specific instructions of reconstitution.
Storage&Shipping	Store at -20°C to -80°C for 12 months in lyophilized form. After reconstitution, if not intended for use within a month, aliquot and store at -80°C (Avoid repeated freezing and thawing). Lyophilized proteins are shipped at ambient temperature.
Background	The protein encoded by this gene is an immune inhibitory receptor ligand that is expressed by hematopoietic and non-hematopoietic cells, such as T cells and B cells and various types of tumor cells. The encoded protein is a type I transmembrane protein that has immunoglobulin V-like and C-like domains. Interaction of this ligand with its receptor inhibits T-cell activation and cytokine production. During infection or inflammation of normal tissue, this interaction is important for preventing autoimmunity by maintaining homeostasis of the immune response. In tumor microenvironments, this interaction provides an immune escape for tumor cells through cytotoxic T-cell inactivation. Mice deficient for this gene display a variety of phenotypes including decreased allogeneic fetal survival rates and severe experimental autoimmune encephalomyelitis. [provided by RefSeq, Sep 2015]
Usage	Research use only
Conjugate	Unconjugated

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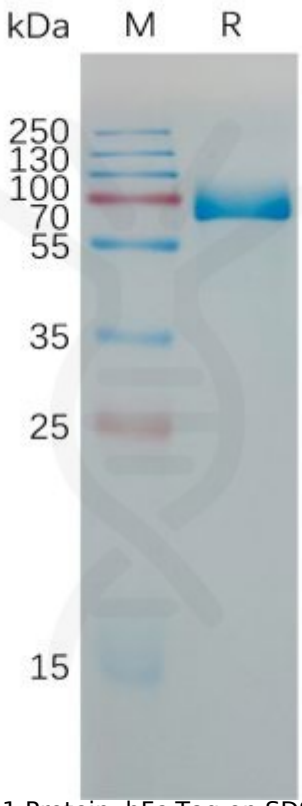


Figure 1. Mouse PD-L1 Protein, hFc Tag on SDS-PAGE under reducing condition.

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