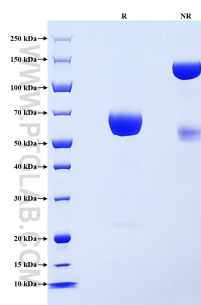


Recombinant Mouse PD-L2/B7-DC protein (rFc Tag)

Catalog Number: Eg1842

Basic Information	Species: Mouse	Purity: >90 %, SDS-PAGE	Tag: rFc Tag
Technical Specifications	<p>Purity: >90 %, SDS-PAGE</p> <p>Endotoxin Level: <0.1 EU/ µg protein, LAL method</p> <p>Source: HEK293-derived Mouse PD-L2 protein Leu20-Arg219 (Accession# Q9WUL5) with a rabbit IgG Fc tag at the C-terminus.</p> <p>GeneID: 58205</p> <p>Accession: Q9WUL5</p> <p>Predicted Molecular Mass: 48.8 kDa</p> <p>SDS-PAGE: 55-70 kDa, reducing (R) conditions</p> <p>Formulation: Lyophilized from 0.22 µm filtered solution in PBS, pH 7.4. Normally 5% trehalose and 5% mannitol are added as protectants before lyophilization.</p>		
Biological Activity	Not tested		
Storage and Shipping	<p>Storage: It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.</p> <ul style="list-style-type: none">• Until expiry date, -20°C to -80°C as lyophilized proteins.• 3 months, -20°C to -80°C under sterile conditions after reconstitution. <p>Shipping: The product is shipped at ambient temperature. Upon receipt, store it immediately at the recommended temperature.</p>		
Reconstitution	Briefly centrifuge the tube before opening. Reconstitute at 0.1-0.5 mg/mL in sterile water.		
Background	<p>Programmed cell death 1 ligand 2 (PDCD1LG2), also known as PD-L2, CD273 and B7-DC, is an immune checkpoint receptor ligand which plays a role in negative regulation of the adaptive immune response. PDCD1LG2/PD-L2 protein is expressed mainly by dendritic cells, macrophages, and tumor cells, and down-regulates the effector functions of T cells via PD-1/PD-L2 axis in the tumor microenvironment. The endogenous PDCD1LG2/PD-L2 protein displays a molecular weight of 45 kDa (glycosylated form), and a minor band at 35 kDa (non-glycosylated form) in western blot.</p>		
References	<ol style="list-style-type: none">1.Takamori S, et al. (2018). Anticancer Res. 38(10):5897-5901.2.Wang H, et al. (2017). Oncoimmunology. 6(7):e1327494.3.Xu Y, et al. (2021). J Immunother Cancer. 9(10):e002699.		
Synonyms	B7dc, B7-DC, Btdc, Butyrophilin B7-DC, CD273		

Selected Validation Data



Purity of Recombinant Mouse PD-L2 was determined by SDS-PAGE. The protein was resolved in an SDS-PAGE in reducing (R) and non-reducing (NR) conditions and stained using Coomassie blue.

For technical support and original validation data for this product please contact

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