

## Recombinant Human PD-L1/B7-H1/CD274 Protein (Flag Tag)

**Catalog Number:** PKSH032870

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

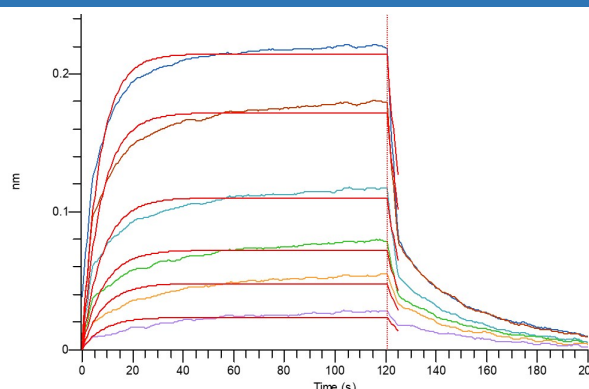
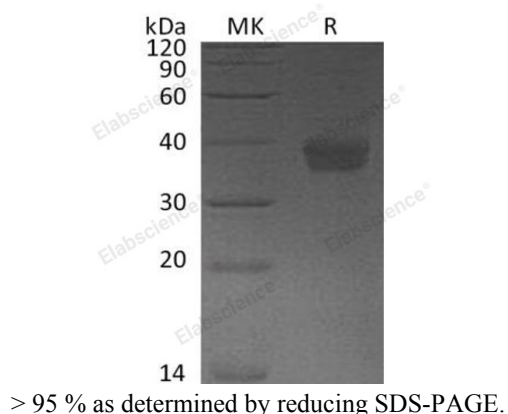
### Description

<b>Species</b>	Human
<b>Source</b>	HEK293 Cells-derived Human PD-L1;B7-H1;CD274 protein Phe19-Thr 239, with an C-terminal Flag
<b>Calculated MW</b>	26.3 kDa
<b>Observed MW</b>	35-40 kDa
<b>Accession</b>	Q9NZQ7
<b>Bio-activity</b>	Loaded Human PD-1-Fc(PKSH033554) on Protein A Biosensor, can bind Human PD-L1-Flag(PKSH032870) with an affinity constant of 0.19 $\mu$ M as determined in BLI assay.

### Properties

<b>Purity</b>	> 95 % as determined by reducing SDS-PAGE.
<b>Endotoxin</b>	< 1.0 EU per $\mu$ g of the protein as determined by the LAL method.
<b>Storage</b>	Generally, lyophilized proteins are stable for up to 12 months when stored at -20 to -80 °C. Reconstituted protein solution can be stored at 4-8°C for 2-7 days. Aliquots of reconstituted samples are stable at < -20°C for 3 months.
<b>Shipping</b>	This product is provided as lyophilized powder which is shipped with ice packs.
<b>Formulation</b>	Lyophilized from a 0.2 $\mu$ m filtered solution of 20mM PB, 150mM NaCl, pH 7.4. Normally 5% - 8% trehalose, mannitol and 0.01% Tween 80 are added as protectants before lyophilization.
<b>Reconstitution</b>	Please refer to the specific buffer information in the printed manual.

### Data



Loaded Human PD-1-Fc(PKSH033554) on Protein A Biosensor, can bind Human PD-L1-Flag(PKSH032870) with an affinity constant of 0.19  $\mu$ M as determined in BLI assay.

### Background

### For Research Use Only

Toll-free: 1-888-852-8623  
Web: [www.elabscience.com](http://www.elabscience.com)

Tel: 1-832-243-6086  
Email: [techsupport@elabscience.com](mailto:techsupport@elabscience.com)

Fax: 1-832-243-6017

Rev. V3.8

CD274; also known as B7-H1 or programmed death ligand 1 (PD-L1); is a 40 kD type I transmembrane protein and a member of the B7 family within the immunoglobulin receptor superfamily. Programmed death-1 ligand-1 (PD-L1; CD274; B7-H1) has been identified as the ligand for the immunoinhibitory receptor programmed death-1 (PD1/PDCD1) and has been demonstrated to play a role in the regulation of immune responses and peripheral tolerance. By binding to PD1 on activated T-cells and B-cells; PD-L1 may inhibit ongoing T-cell responses by inducing apoptosis and arresting cell-cycle progression. Accordingly; it leads to growth of immunogenic tumor growth by increasing apoptosis of antigen specific T cells and may contribute to immune evasion by cancers. PD-L1 thus is regarded as promising therapeutic target for human autoimmune disease and malignant cancers.