

# ANTIGENIX AMERICA, INC.

## PRODUCT INFORMATION SUMMARY

### Human PD-L1 (Fc)

Purified Factor	Product Number	HC67732A	20.0 ug
		HC67732B	100.0 ug

#### DESCRIPTION:

Human PD-L1 ( Program Death-Ligand-1) also known as PD-1 or B7-H1, is a member of the B7 immunoglobulin family. PD-L1 is expressed on non-lymphoid parenchymal organs ( ie., heart, lung skeletal muscle) and activated T-cells, B-cells, myeloid cells. PD-L1 is know to suppress auto-immune responses and immune response to tumors. Over expression of PD-L1 is associated with the inhibition of anti-tumor response in cancer.

This recombinant human PD-L1 is a glycosylated homodimer with 906 aa. With 220 aa. monomer extracellular domain. Total molecular weight is approximately 102 kDa, but gel migration shows apparent MW of approx. 160 kDa by SDS-PAGE and non-reducing conditions.

**SOURCE:** CHO cells  
Purity > 96% by HPLC analysis  
Endotoxin < 0.1 ng per ug Human PD-L1

#### BIOLOGICAL ACTIVITY:

**Fully biologically active when compared to standards.**  
Activity determined by ability to induce adhesion in T cells enriched with PBMC culture.

#### HANDLING AND STORAGE:

Purified Human PD-L1 factor is provided lyophilized and free of additives. Store lyophilized, at -20° C. **Spin-down** vial prior to opening.

**Reconstitute with 50 uL distilled water**, then further dilute in PBS or other buffered solutions containing 0.1% BSA. Store small aliquots at -20° C, with addition of 0.1% BSA, for long-term storage -up to 3 months, at high concentration.

**Microcentrifuge before reconstitution.** Because ANTIGENIX factors are provided without carrier proteins like sucrose or BSA, the small quantities of lyophilized protein can adhere to the sides and cap of the vial during manufacture. **Before opening the vial**, we recommend micro-centrifuging for 30 seconds to spin-down all material.

**RESEARCH USE ONLY -NOT for DRUG USE**

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