

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

WWW.ANTIGENIX.COM