LEADGENE
LEADGENE BIOMEDICAL, INC.

Datasheet

Canine PD-L1 Protein, His Tag, HEK293

Catalog Number	LDG003POM
Package	Customized package / 100 μg

For full product information, images and publications, please visit our website.

Overview

Description

PD-L1 regulates immune responses by binding to the immunoinhibitory receptor PD-1 on activated T-cells and B-cells. This interaction can suppress T-cell responses by inducing apoptosis and arresting cell-cycle progression. In cancer, PD-L1's role in reducing antigen-specific T cells can promote tumor growth and immune evasion. As a result, PD-L1 is considered as a potential therapeutic target for autoimmune diseases and cancer.

Specifications

Species of Origin

Canine

Expression system

HEK293

Affinity Tag

His Tag (C-term)

Buffer

Lyophilized from a 0.2 μm filtered solution of PBS, pH 7.4.

Purity

>90% as determined by SDS-PAGE analysis.

Molecular weight

The protein has a calculated MW of 26 kDa.
The protein migrates as 35-45 kDa uder reducing condition (SDS-PAGE analysis).

Endotoxin level

<0.1 EU per 1 μg of the protein by the LAL method.

Form

Lyophilized

Background

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Innovation & Research Center
+886-2-27065528

CLD Center
+886-6-2536677

Synonyms

CD274, B7-H1

Uniprot ID

NCBI Reference Sequence: NP_001278901.1

Sequence Note

Phe19-Arg236

Instruction

Reconstitution

It is recommended to reconstitute the lyophilized protein in sterile H_2O to a concentration of 200 µg/mL and incubate the stock solution for at least 20 min to ensure sufficient re-dissolved.

Shipping

The product is shipped with polar packs. Upon receipt, store it immediately at -20°C or lower for long term storage.

Stability & Storage

This product is stable after storage at:

- -20°C for 12 months in lyophilized state from date of receipt.
- -20°C or -80°C for 1 month under sterile conditions after reconstitution.

Avoid repeated freeze/thaw cycles.

Image

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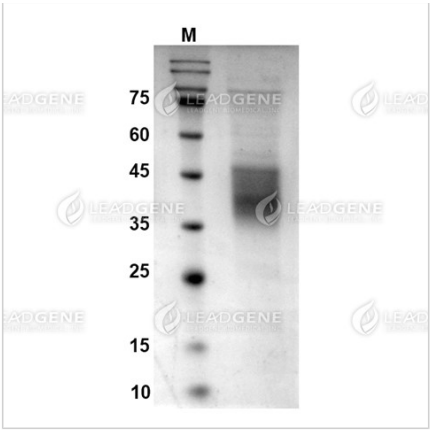

SDS-PAGE analysis of recombinant Canine PD-L1 Protein.

Disclaimer : For Research Use or Further Manufacturing Only.

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