

Rev03
Update: Aug,08,2025**DATASHEET**

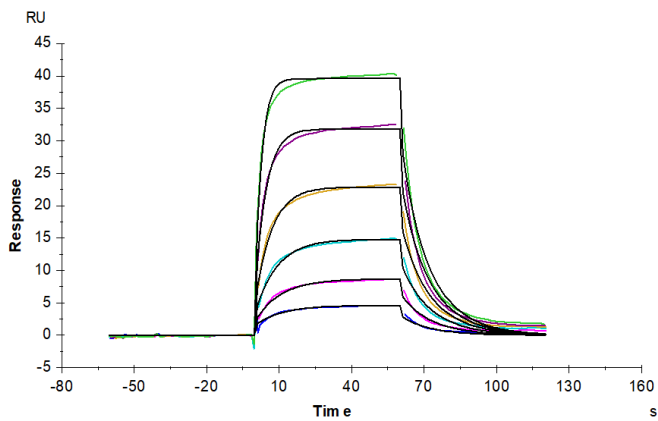
PD-L2/B7-DC, His, Cynomolgus

Cat. No.: Z04897

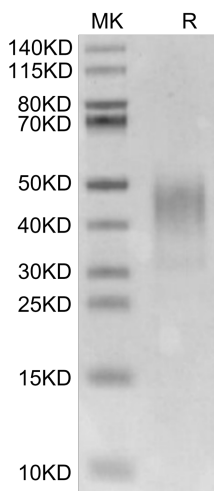
Product Introduction

Species	Cynomolgus				
Protein Construction	<table><tr><td>PD-L2/B7-DC (Leu20-Thr220) Accession # XP_005581839</td><td>His</td></tr><tr><td>N-term</td><td>C-term</td></tr></table>	PD-L2/B7-DC (Leu20-Thr220) Accession # XP_005581839	His	N-term	C-term
PD-L2/B7-DC (Leu20-Thr220) Accession # XP_005581839	His				
N-term	C-term				
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC				
Endotoxin Level	Less than 1EU per µg by the LAL method.				
Biological Activity	Cynomolgus PD1, hFc Tag captured on CM5 Chip via Protein A can bind PD-L2/B7-DC, His, Cynomolgus in SPR assay (Biacore T200). Test result was comparable to standard batch.				
Expression System	HEK293				
Theoretical Molecular Weight	23.73 kDa				
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.				
Formulation	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4).				
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/ml is recommended. Dissolve the lyophilized protein in distilled water.				
Storage & Stability	Upon receiving, the product remains stable up to 6 months at -20 °C or below. Upon reconstitution, the product should be stable for 3 months at -80 °C. Avoid repeated freeze-thaw cycles.				

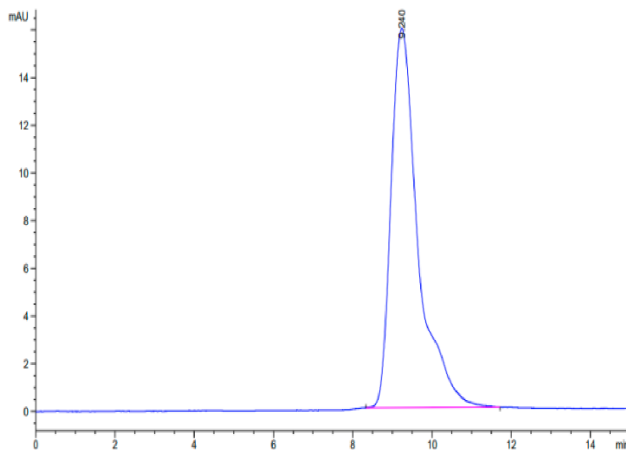
Examples



Cynomolgus PD-1, hFc Tag captured on CM5 Chip via Protein A can bind PD-L2/B7-DC, His, Cynomolgus, His Tag with an affinity constant of 0.17 μM as determined in SPR assay (Biacore T200).



PD-L2/B7-DC, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of PD-L2/B7-DC, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target Background : PD-1 ligand 2 (PD-L2) as a second ligand for PD-1 and compare the function and expression of PD-L1 and PD-L2. Engagement of PD-1 by PD-L2 dramatically inhibits T cell receptor (TCR)-mediated proliferation and cytokine production by CD4 T cells. At low antigen concentrations, PD-L2-PD-1 interactions inhibit strong B7-CD28 signals.

Synonyms : PDL2; PD-L2; Butyrophilin B7-DC; CD273, PDCD1 ligand 2; PDCD1L2; PDCD1LG2; B7DC; bA574F11.2; Btdc

For research use only. Not intended for human or animal clinical trials, therapeutic or diagnostic use.

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