

Rev05
 Update: Dec,01,2025

DATASHEET

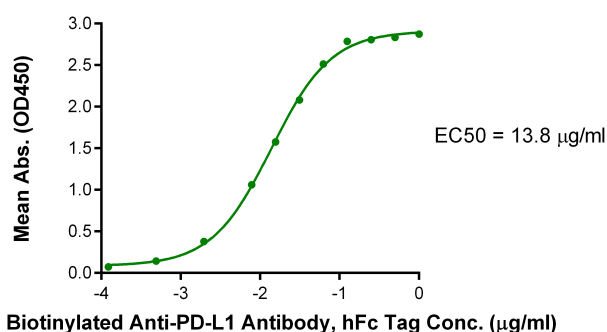
PD-L1/B7-H1 hFc Chimera, Cynomolgus/Rhesus

Cat. No.: Z04896

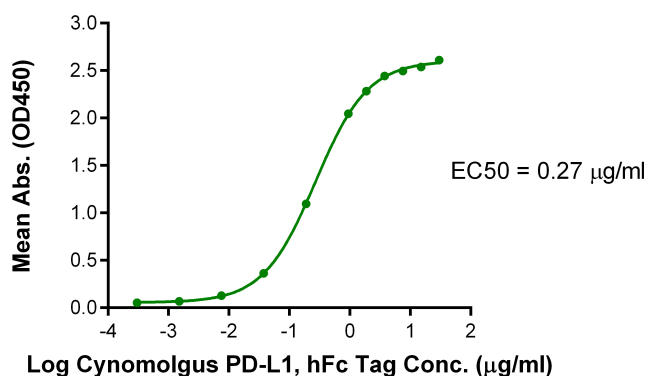
Product Introduction

Species	Cynomolgus/Rhesus
Protein Construction	PD-L1/B7-H1 (Phe19-Arg238) Accession # G7PSE7 hFc N-term C-term
Purity	> 95% as determined by BisTris PAGE
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	52 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 60-70 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 for 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.

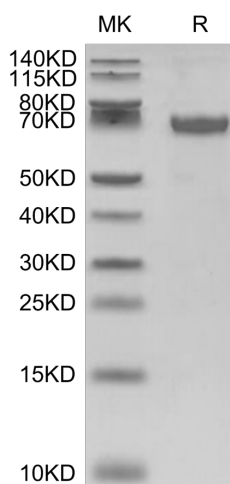
Examples



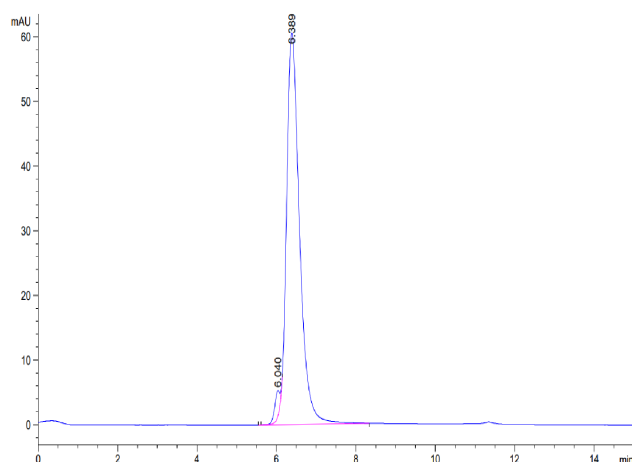
Immobilized PD-L1/B7-H1 hFc Chimera, Cynomolgus, hFc Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Biotinylated Anti-PD-L1 Antibody, hFc Tag with the EC50 of 13.8ng/ml determined by ELISA.



Immobilized PD-L1/B7-H1 hFc Chimera, Cynomolgus, His Tag at 2 µg/ml (100 µl/well) on the plate. Dose response curve for Cynomolgus PD-L1, hFc Tag with the EC50 of 0.27 µg/ml determined by ELISA.



PD-L1/B7-H1 hFc Chimera, Cynomolgus on Bis-Tris PAGE under reduced conditions. The purity is greater than 95%.



The purity of PD-L1/B7-H1 hFc Chimera, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target Background : B7-H1, also known as PD-L1 and CD274, is an approximately 65 kDa transmembrane glycoprotein in the B7 family of immune regulatory molecules. PD-L1 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.

Synonyms : CD274; PDL1; PD-L1; PD-L1B7 homolog 1;B7-H; B7H1; B7-H1; PDCD1L1; PDCD1LG1

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

Manufacturer: Nanjing GenScript Biotech Co., Ltd. No. 28Yongxi Road, Jiangning District, Nanjing, Jiangsu, China