

Rev04
Update: Aug,08,2025**DATASHEET**

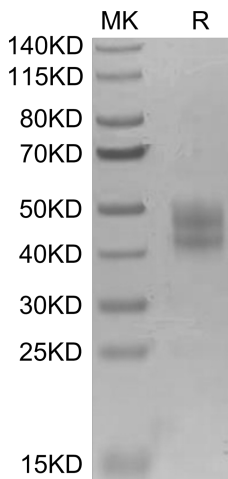
B7-H3/CD276, His, Human

Cat. No.: Z03880

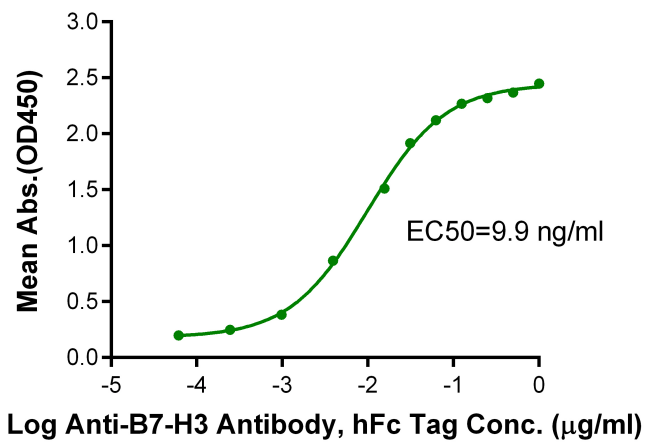
Product Introduction

Species	Human				
Protein Construction	<table><tr><td>B7-H3/CD276 (Leu29-Pro245) Accession # Q5ZPR3-2</td><td>His</td></tr><tr><td>N-term</td><td>C-term</td></tr></table>	B7-H3/CD276 (Leu29-Pro245) Accession # Q5ZPR3-2	His	N-term	C-term
B7-H3/CD276 (Leu29-Pro245) Accession # Q5ZPR3-2	His				
N-term	C-term				
Purity	> 95% as determined by Bis-Tris PAGE				
Endotoxin Level	Less than 1EU per µg by the LAL method.				
Biological Activity	Immobilized B7-H3/CD276, His, Human (Cat.No.: Z03880) at 1 µg/ml (100µl/Well) on the plate can bind Anti-B7-H3 Antibody, hFc Tag.				
Expression System	HEK293				
Theoretical Molecular Weight	24.7 kDa				
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 40-50 kDa based on Bis-Tris PAGE result.				
Formulation	Lyophilized from a 0.22 µm filtered solution in PBS, pH 7.4.				
Reconstitution	It is recommended that this vial be briefly centrifuged prior to opening to bring the contents to the bottom. Reconstitute the lyophilized powder in ddH ₂ O more than 100 µg/ml.				
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



B7-H3/CD276, His, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized B7-H3/CD276, His, Human at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Anti-B7-H3 Antibody, hFc Tag with the EC50 of 9.9 ng/ml determined by ELISA.

Background

Target Background : B7-H3, a member of the B7 family of immunomodulatory molecules, is overexpressed in a wide range of solid cancers. B7-H3 binds to activated T cells via an as yet unidentified receptor. In assays using sub-optimal amount so anti-CD3 stimulation, 2Ig-B7-H3 enhances T cell proliferation, T cell interferon-gamma (IFN-gamma) production, and cytotoxic T cells induction.

Synonyms : B7H3; B7-H3; CD276; PSEC0249; UNQ309; PRO352; B7 homolog 3; CD276

For laboratory research use only. Direct human use, including taking orally and injection and clinical use are forbidden.

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