

Rev04
 Update: Nov,20,2025

DATASHEET

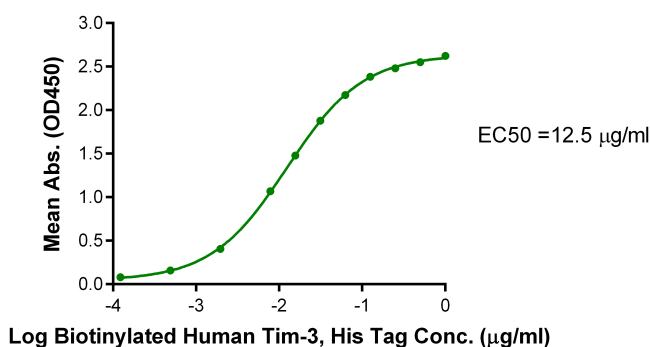
Tim-3/HAVCR2[Biotin], His & Avi, Human

Cat. No.: Z04623

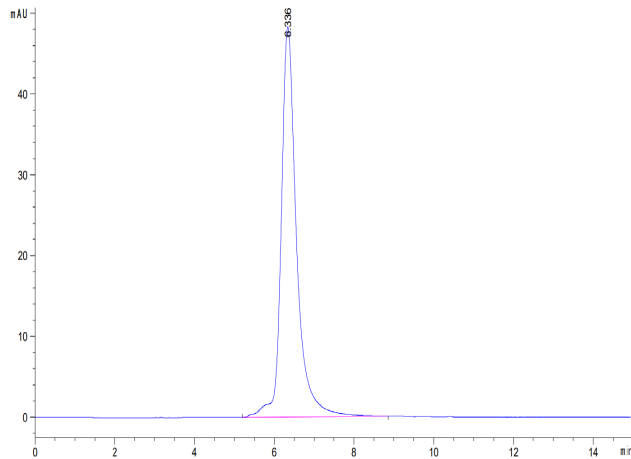
Product Introduction

Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; text-align: center;"> TIM-3/HAVCR2 (Ser22-Arg200) Accession # Q8TDQ0-1 </div> <div style="background-color: #90c080; color: white; padding: 5px; text-align: center; margin: 0 5px;">His</div> <div style="background-color: #4f81b7; color: white; padding: 5px; text-align: center; margin: 0 5px;">Avi</div> </div> <div style="display: flex; justify-content: space-around; margin-top: 5px;"> N-term C-term </div>
Conjugate	Biotin
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	22.8 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 45-50 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 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.

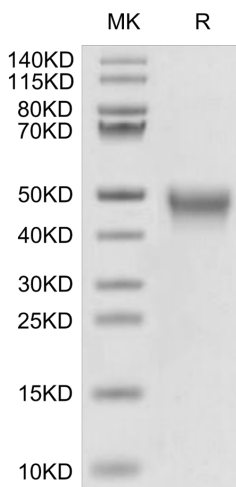
Examples



Immobilized Anti-Tim-3 Antibody, hFc Tag at 1 µg/ml (100 µl/well) on the plate. Dose response curve for Tim-3/HAVCR2[Biotin], His & Avi, Human, His Tag with the EC50 of 12.5ng/ml determined by ELISA.



The purity of Tim-3/HAVCR2[Biotin], His & Avi, Human is greater than 95% as determined by SEC-HPLC.



Tim-3/HAVCR2[Biotin], His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

Background

Target Background : Hepatitis A virus cellular receptor 2 (HAVCR2), also known as T-cell immunoglobulin and mucin-domain containing-3 (TIM-3), is a protein that in humans is encoded by the HAVCR2 gene. TIM3 is an immune checkpoint and together with other inhibitory receptors including programmed cell death protein 1 (PD-1) and lymphocyte activation gene 3 protein (LAG3) mediate the CD8 T-cell exhaustion. TIM3 has also been shown as a CD4 Th1-specific cell surface protein that regulates macrophage activation and enhances the severity of experimental autoimmune encephalomyelitis in mice.

Synonyms : CD366; TIM3; TIM-3; TIMD-3; TIM 3; FLJ14428; HAVCR2; KIM3

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

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