

Rev04
 Update: Aug,20,2025

DATASHEET

LAG3/CD223[Biotin], His & Avi, Human

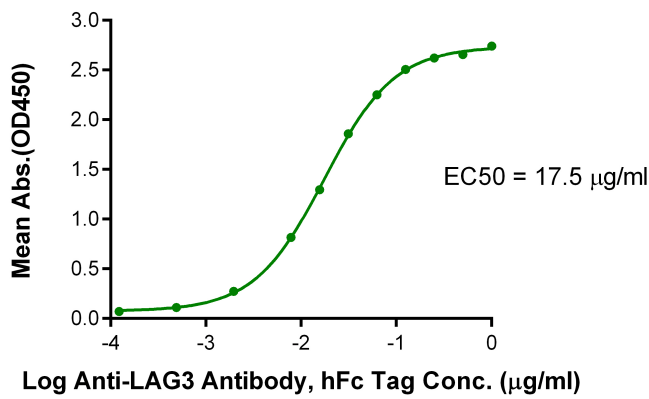
Cat. No.: Z04529

Product Introduction

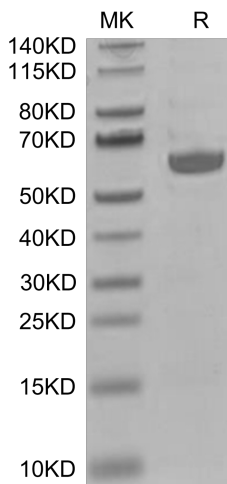
Species	Human
Protein Construction	<div style="display: flex; align-items: center; justify-content: center;"> <div style="background-color: #0056b3; color: white; padding: 5px; margin-right: 5px;"> LAG3/CD223 (Leu23-Gly434) Accession # P18627-1 </div> <div style="background-color: #90d190; color: white; padding: 5px; margin-right: 5px;">His</div> <div style="background-color: #558b2f; color: white; padding: 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	47.3 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 55-65 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

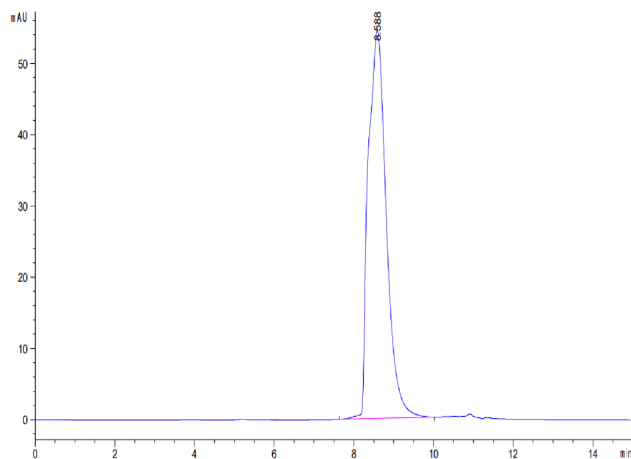
Immobilized LAG3/CD223[Biotin], His & Avi, Human, His-Avi Tag at 2 µg/ml (100 µl/Well) on streptavidin(5 µg/ml) precoated plate. Dose response curve for Anti-LAG3 Antibody, hFc Tag with the EC50 of 17.5ng/ml determined by ELISA.



LAG3/CD223[Biotin], His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of LAG3/CD223[Biotin], His & Avi, Human is greater than 95% as determined by SEC-HPLC.



Background

Target Background : LAG-3, is a protein which in humans is encoded by the LAG3 gene, which is a cell surface molecule with diverse biologic effects on T cell function. It is an immune checkpoint receptor and as such is the target of various drug development programs by pharmaceutical companies seeking to develop new treatments for cancer and autoimmune disorders.

Synonyms : CD223; FDC; LAG3; LAG-3; sLAG-3

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

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