

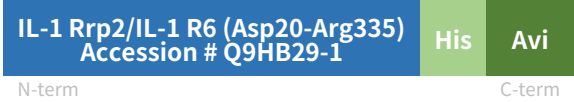
Rev03
 Update: Aug,08,2025

DATASHEET

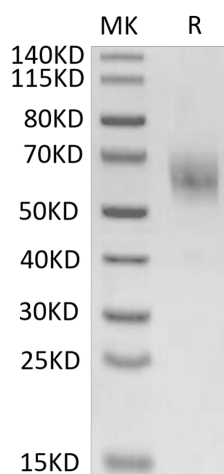
IL-1 Rrp2/IL-1 R6[Biotin], His & Avi, Human

Cat. No.: Z04488

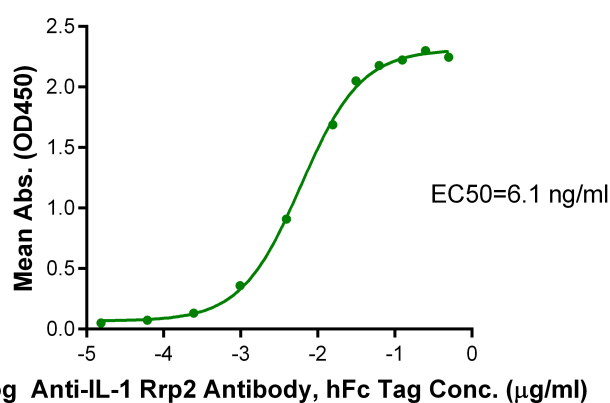
Product Introduction

Species	Human
Protein Construction	 <p>IL-1 Rrp2/IL-1 R6 (Asp20-Arg335) Accession # Q9HB29-1</p> <p>N-term His Avi C-term</p>
Conjugate	Biotin
Purity	<p>> 95% as determined by BisTris PAGE</p> <p>> 95% as determined by HPLC</p>
Endotoxin Level	Less than 1EU per µg by the LAL method.
Biological Activity	Measured by its binding ability in a functional ELISA. Immobilized IL-1 Rrp2/IL-1 R6[Biotin], His & Avi, Human at 0.5µg/ml (100µl/well) on the streptavidin precoated plate (5µg/ml) can bind AntiIL1 Rrp2 Antibody, hFc Tag. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	39.1 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 55-75 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.

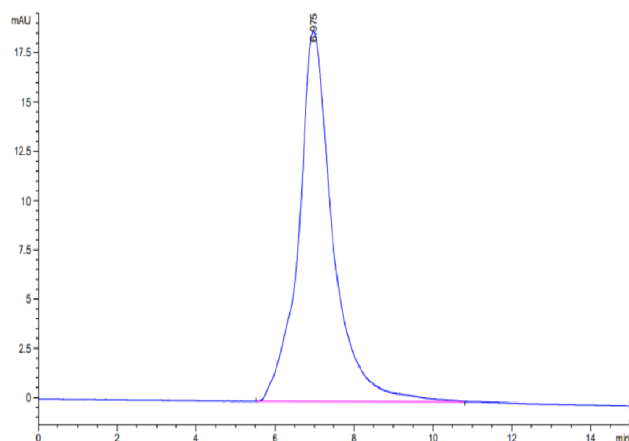
Examples



IL-1 Rrp2/IL-1 R6[Biotin], His & Avi, Human on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



Immobilized IL-1 Rrp2/IL-1 R6[Biotin], His & Avi, Human, His Tag at 0.5 µg/ml(100 µl/well) on the streptavidin precoated plate(5 µg/ml). Dose response curve for Anti-IL-1 Rrp2 Antibody, hFc Tag with the EC50 of 6.1 ng/ml determined by ELISA.



The purity of IL-1 Rrp2/IL-1 R6[Biotin], His & Avi, Human is greater than 90% as determined by SEC-HPLC.

Background

Target Background : The Interleukin 1 receptor family (IL-1 R) comprises at least eleven members including IL-1 RI (IL-1 R1), IL-1 RII (IL-1 R2), IL-1 RAcP (IL-1 R3), ST2 (T1/IL-1 R4), IL-18 Ra (IL-1 Rrp/IL-1 R5), IL-1 Rrp2 (IL-1 RL2/IL-1 R6), IL-18 Rb (AcPL/IL-1 R7), IL-1RAPL-1 (TIGIRR-2/IL-1 R8), and TIGIRR-1 (IL-1 R9). IL1RL2 is a receptor for interleukin-36 (IL36A, IL36B and IL36G). After binding to interleukin-36 associates with the coreceptor IL1RAP to form the interleukin-36 receptor complex which mediates interleukin-36-dependent activation of NF-kappa-B, MAPK and other pathways.

Synonyms : IL-1 R6; IL-1 Rrp2; IL1RL2; IL1Rrp2; IL1RRP2; IL-36R

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