


Rev02
 Update: Aug,08,2025

DATASHEET

IL-13Ra2 hFc Chimera, Rat

Cat. No.: Z06423

Product Introduction

Species	Rat
Protein Construction	 <p>IL-13Ra2 (Leu24-Lys336)_x000D_ Accession # Q8VHK6</p> <p>N-term hFc C-term</p>
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 Human IL13, His Tag at 1µg/ml (100µl/well) on the plate can bind IL-13Ra2 hFc Chimera, Rat. Test result was comparable to standard batch.
Expression System	HEK293
Theoretical Molecular Weight	63.17 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 70-80 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.

Background

Target Background : Two type 1 membrane proteins belonging to the hemopoietin receptor family have been cloned and shown to bind IL-13 with differing affinities. The lower affinity IL-13 binding protein, previously designated IL-13 R alpha, IL-13 R alpha ' or NR4, is now referred to as IL-13 R alpha 1. The high-affinity IL-13 binding protein, previously also designated IL-13 R or IL-13 R alpha ', is now referred to as IL-13 R alpha 2.

Synonyms : CD213a2; IL-13 R alpha 2; IL13BP; IL13R; IL13RA2; IL-13R subunit alpha-2; IL-13Ra2

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

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