

Rev03
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DATASHEET

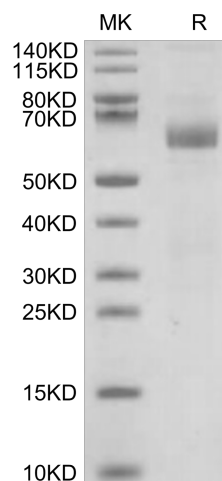
LILRA4/CD85g, His, Cynomolgus

Cat. No.: Z04855

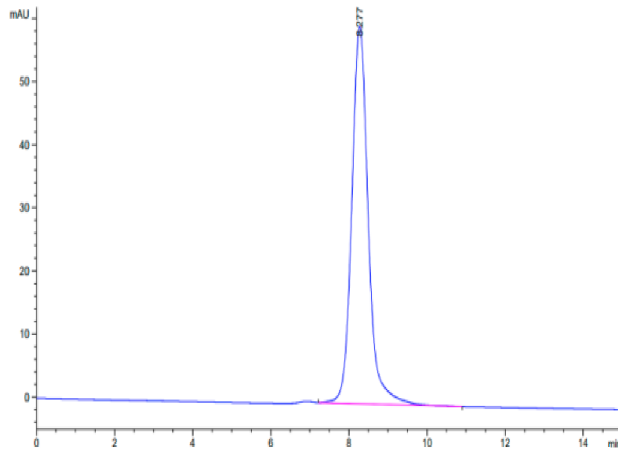
Product Introduction

Species	Cynomolgus
Protein Construction	LILRA4/CD85g (Glu24-Asn446) Accession # XP_005590346.1 His N-termC-term
Purity	> 95% as determined by BisTris PAGE > 95% as determined by HPLC
Endotoxin Level	Less than 1EU per µg by the LAL method.
Expression System	HEK293
Theoretical Molecular Weight	47.7 kDa
Apparent Molecular Weight	Due to glycosylation, the protein migrates to 58-68 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



LILRA4/CD85g, His, Cynomolgus on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.



The purity of LILRA4/CD85g, His, Cynomolgus is greater than 95% as determined by SEC-HPLC.

Background

Target Background : LILRA4, also known as ILT7 and CD85g, is an approximately 60-70 kDa variably glycosylated transmembrane protein that regulates immune cell activation. Mature human LILRA4 consists of a 423 amino acid (aa) extracellular domain (ECD) with four immunoglobulin-like domains, a 21 aa transmembrane segment, and a 32 aa cytoplasmic domain. LILRA4 function coreceptor to limit the innate immune responses to viral infections; signaling occurs via FCER1G (PubMed:16735691, PubMed:19564354). Down-regulates the production of IFNA1, IFNA2, IFNA4, IFNB1 and TNF by plasmacytoid dendritic cells that have been exposed to influenza virus or cytidine-phosphate-guanosine (CpG) dinucleotides, indicating it functions as negative regulator of TLR7 and TLR9 signaling cascades.

Synonyms : CD85g; ILT7; ILT-7; ILT7MGC129598; LILRA4; MGC129597

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

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