Human CLEC-1 Protein

Cat. No. CLE-HM201

Description

Source	Recombinant Human CLEC-1 Protein is expressed from HEK293 with hFc tag at the N-Terminus.
	It contains Gln74-Asp280.
Accession	Q8NC01
Molecular Weight	The protein has a predicted MW of 51.2 kDa. Due to glycosylation, the protein migrates to 60-70 kDa based on Tris-Bis PAGE result.
Endotoxin	Less than 1EU per μg by the LAL method.
Purity	> 95% as determined by Tris-Bis PAGE

Formulation and Storage

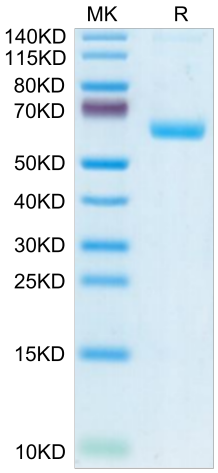
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled water.
Storage	-20 to -80°C for 12 months as supplied from date of receipt.-20 to -80°C for 3-6 months in unopened state after reconstitution.2-8°C for 2-7 days after reconstitution.Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background

C-type lectin-like receptor-1 (CLEC-1) is a member of the Dectin-1 cluster of pattern recognition receptors (PRRs). It is involved in host immunity, has immunoregulatory function, and supports allograft tolerance. CLEC-1 may act as a negative regulator of Dectin-1 induced host inflammatory response via suppressing neutrophils recruitment and production of pro-inflammatory cytokine IL-1β production in response to A. fumigatus keratitis.

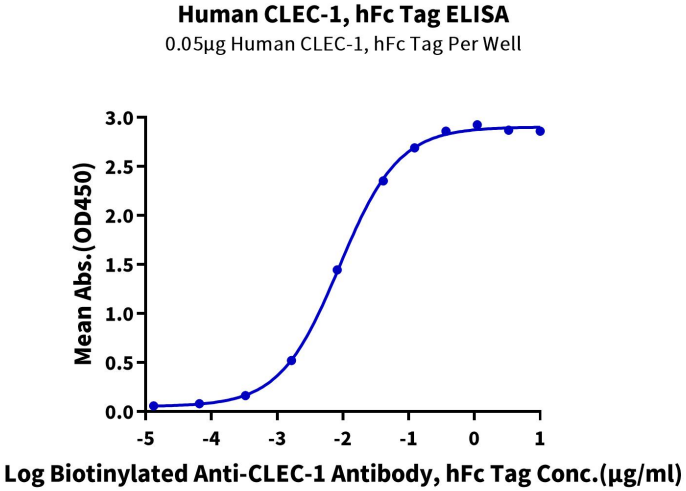
Assay Data

Tris-Bis PAGE



Human CLEC-1 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

ELISA Data



Immobilized Human CLEC-1, hFc Tag at 0.5μg/ml (100μl/Well) on the plate. Dose response curve for Biotinylated Anti-CLEC-1 Antibody, hFc Tag with the EC50 8.8ng/ml determined by ELISA.

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