Human CD93/C1q R1 Protein

Cat. No. CD9-HM293

Description

Source	Recombinant Human CD93/C1q R1 Protein is expressed from HEK293 with hFc tag at the C-terminal.
	It contains Thr22-Lys580.
Accession	Q9NPY3
Molecular Weight	The protein has a predicted MW of 85 kDa. Due to glycosylation, the protein migrates to 115-120 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
	> 95% as determined by HPLC

Formulation and Storage

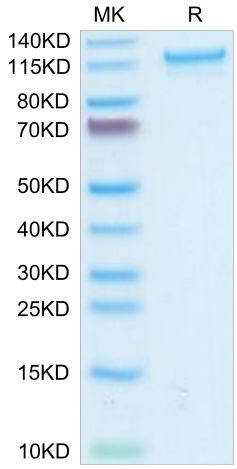
Formulation	Lyophilized from 0.22μm filtered solution in PBS (pH 7.4). Normally 8% trehalose is added as protectant before lyophilization.
Reconstitution	Centrifuge tubes before opening. Reconstituting to a concentration more than 100 μg/ml is recommended. Dissolve the lyophilized protein in distilled 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 avoid freeze-thaw cycles.

Background

CD93 has been shown critical roles in inflammatory and immune diseases. CD93 silencing increased IL-6 and TSLP, but not IL-33 levels in culture supernatants. HDM-induced asthma mice showed significant airway hyperresponsiveness and inflammation with Th2 cytokine activation, along with decreased CD93 expression in bronchial epithelial cells and lung homogenates but increased serum CD93 levels.

Assay Data

Tris-Bis PAGE



Human CD93 on Tris-Bis PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC

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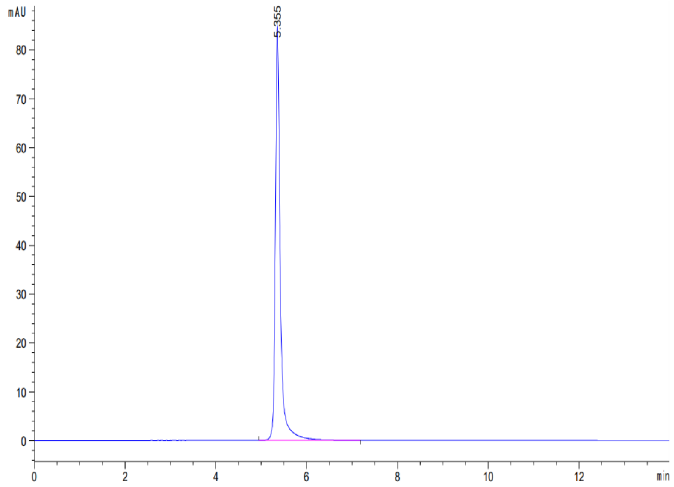
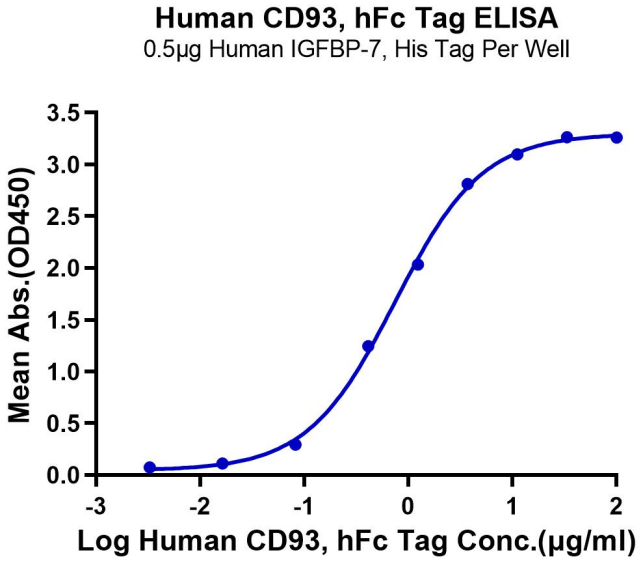
Assay Data



The purity of Human CD93 is greater than 95% as determined by SEC-HPLC.

ELISA Data



Immobilized Human IGFBP-7, His Tag at 5μg/ml (100μl/well) on the plate. Dose response curve for Human CD93, hFc Tag with the EC50 of 0.74μg/ml determined by ELISA.