

Human Mucin-1/MUC-1 (890-1158) Protein



Cat. No. MUC-HM102

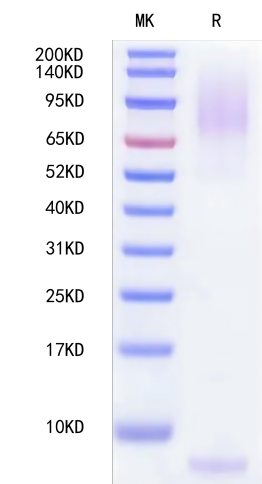
Description	
Source	Recombinant Human Mucin-1/MUC-1 (890-1158) Protein is expressed from HEK293 with His tag at the C-terminus. It contains Ser890-Gly1158.
Accession	P15941-1
Molecular Weight	The protein has a predicted MW of 29.44 kDa. Due to autolysis and glycosylation, the protein migrates to 8-10 kDa (partial β chain) and 70-130 kDa (partial α chain) based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per μ g by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 90% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 μ m filtered solution in PBS (pH 7.4).
Storage	Valid for 12 months from date of receipt when stored at -80°C. Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.

Background	
Mucin 1 (MUC1) is a transmembrane protein mainly expressed by epithelial and hematopoietic cells. It has a receptor-like structure, which can sense the external environment and activate intracellular signal transduction pathways through its cytoplasmic domain.	

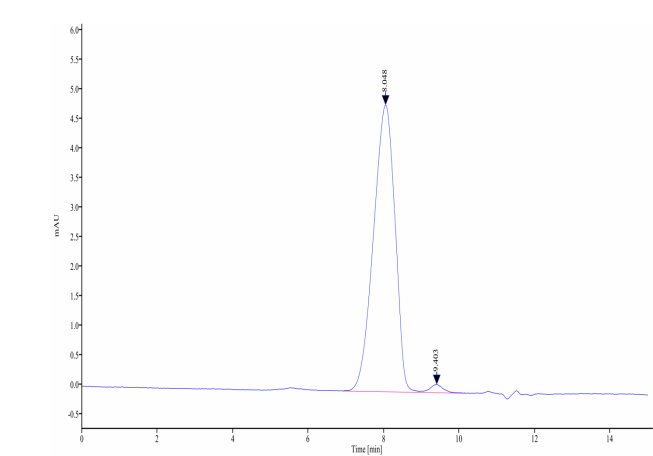
Assay Data

Bis-Tris PAGE



Human Mucin-1 (890-1158) on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Mucin-1 (890-1158) is greater than 90% as determined by SEC-HPLC.

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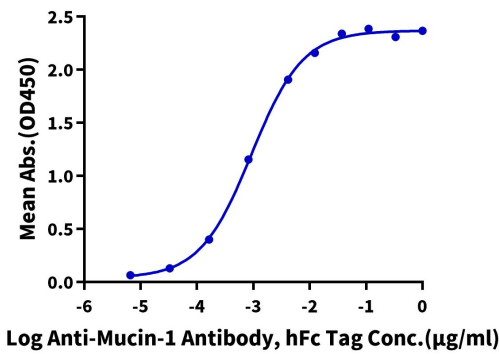


Assay Data

ELISA Data

Human Mucin-1 (890-1158), His Tag ELISA

0.05µg Human Mucin-1 (890-1158), His Tag Per Well



Immobilized Human Mucin-1 (890-1158), His Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Mucin-1 Antibody, hFc Tag with the EC50 of 0.9ng/ml determined by ELISA.