

Human Mucin-13 Protein

Cat. No. MUC-HM213



Description	
Source	Recombinant Human Mucin-13 Protein is expressed from HEK293 with hFc (IgG1) tag at the C-terminus. It contains Thr19-Leu421.
Accession	Q9H3R2
Molecular Weight	The protein has a predicted MW of 68.53 kDa. Due to glycosylation, the protein migrates to 120-150 kDa based on Bis-Tris PAGE result.
Endotoxin	Less than 0.1 EU per µg by the LAL method.
Purity	> 95% as determined by Bis-Tris PAGE > 95% as determined by HPLC

Formulation and Storage	
Formulation	Supplied as 0.22 µm 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 13 (MUC13) is a high-molecular-weight transmembrane glycoprotein that is frequently and aberrantly expressed in a variety of epithelial carcinomas, including gastric, colorectal, and ovarian cancers. MUC13 exhibits the characteristics suitable as an early marker for cancer screening and presents a promising target for antibody-guided targeted therapy.	

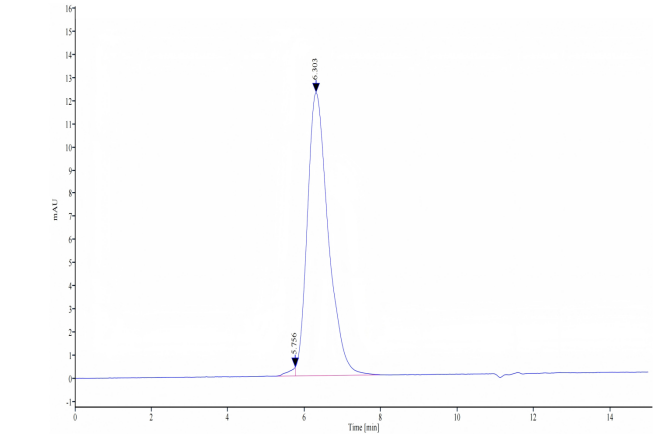
Assay Data

Bis-Tris PAGE



Human Mucin-13 on Bis-Tris PAGE under reduced condition. The purity is greater than 95%.

SEC-HPLC



The purity of Human Mucin-13 is greater than 95% as determined by SEC-HPLC.

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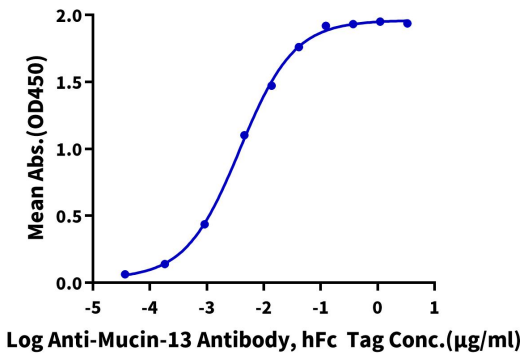


Assay Data

ELISA Data

Human Mucin-13, hFc Tag ELISA

0.05µg Human Mucin-13, hFc Tag Per Well



Immobilized Human Mucin-13, hFc Tag at 0.5µg/ml (100µl/well) on the plate. Dose response curve for Anti-Mucin-13 Antibody, hFc Tag with the EC50 of 3.8ng/ml determined by ELISA.