

Recombinant Human MUC1 Protein, Fc-tagged, Alexa Fluor 488 conjugated

Cat. No. MUC1-342HAF488 **Lot. No.** (See product label)

SPECIFICATION

Product Overview	A DNA sequence encoding the human MUC1 isoform 2 (NP_001018016.1) extracellular domain (Met1-Gly167) (Alexa Fluor 488 conjugated) was fused with the Fc region of mouse IgG at the C-terminus.
Species	Human
Source	HEK293
ProteinLength	Met1-Gly167 369
Form	Lyophilized
Molecular Mass	The recombinant human MUC1/mFc is a disulfide-linked homodimer. The reduced monomer consists of 369 amino acids after removal the signal peptide and has a predicted molecular mass of 41 kDa. As a result of glycosylation, rhMUC1/mFc monomer migrates as an approximately 50.2 and 34.8 kDa band in SDS-PAGE under reducing conditions.
Endotoxin	< 1.0 EU/ µg of the protein as determined by the LAL method.
Purity	(84.9+9.2) % as determined by SDS-PAGE
Characteristic	Disulfide-linked homodimer Labeled with Alexa Fluor 488 via amines

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	Excitation Wavelength: 488 nm Emission Wavelength: 515-545 nm
Stability	Samples are stable for up to 12 months from date of receipt at -70 centigrade.
Storage	Store it under sterile conditions at -70 centigrade. It is recommended that the protein be aliquoted for optimal storage. Avoid repeated freeze-thaw cycles.
Storage Buffer	Lyophilized from sterile PBS, pH7.4.
Conjugation	Alexa Fluor 488
GENE INFORMATION	
Gene Name	MUC1 mucin 1, cell surface associated [Homo sapiens]
Official Symbol	MUC1
Synonyms	MUC1; mucin 1, cell surface associated; mucin 1, transmembrane , PUM; mucin-1; CD227; PEM; episialin; DF3 antigen; H23 antigen; krebs von den Lungen-6; mucin 1, transmembrane; tumor-associated mucin; carcinoma-associated mucin; polymorphic epithelial mucin; peanut-reactive urinary mucin; tumor associated epithelial mucin; breast carcinoma-associated antigen DF3; tumor-associated epithelial membrane antigen; EMA; PUM; KL-6; MAM6; PEMT; H23AG; MUC-1; MUC-1/X; MUC1/ZD; MUC-1/SEC;
Gene ID	4582
mRNA Refseq	NM_001018016
Protein Refseq	NP_001018016

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MIM	158340
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UniProt ID	P15941
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