

# **CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET**

## Product name Mucin-1, Human, clone HMFG2

Catalog number	HM2396-100UG		
Lot number	-	Expiry date	-
Volume	1 ml	Amount	100 µg
Formulation	0.2 $\mu$ m filtered in PBS+0.1%BSA	Concentration	100 µg/ml
Host Species	Mouse IgG1	Conjugate	None
Endotoxin	N.A.	Purification	Protein G
Storage	4°C		

#### **Application notes**

	IHC-F	IHC-P	IF	FC	FS	IA	IP	W
Reference #								
Yes	•	•		•	•	•		•
No								
N.D.			•				•	

N.D.= Not Determined; IHC = Immuno histochemistry; F = Frozen sections; P = Paraffin sections; IF = Immuno Fluorescence; FC = Flow Cytometry; FS = Functional Studies; IA = Immuno Assays; IP = Immuno Precipitation; W = Western blot

Dilutions to be used depend on detection system applied. It is recommended that users test the reagent and determine their own optimal dilutions. The typical starting working dilution is 1:50.

• FC: Extracellulair staining was used with antibody HMFG2.

W: Reduced and non-reduced can be used. The expected band sizes are 75 and 120kDa.

### **General Information**

Description	with peptide repeat domains and a de including the eyes, lungs, stomach a prevent damage from mechanical for extensive studied member. MUC1 co 200–500 nm above the apical surfac extracellular domain; and a cytoplasn cell proliferation, growth, differentiati being considered as a molecular sens dynamic role in protection of the ho responses to infection. This role is r	nsists of a large, extracellular, O-glycosyl e; a transmembrane domain that can b nic tail capable of signaling. Muc1 is invol on, migration, invasion, survival and sec sor and signal transductor. Furthermore, st from infection by a wide variety of p nodulated via the inflammasome recep lation patterns have also been associate	al hydrogel covering epithelial surfaces, a barrier to mucosal pathogens and to members of which muc1 is one of most ated polypeptide backbone that extends e cleaved and enables shedding of the ved diverse cellular responses including gretion of growth factors, and cytokines MUC1 has been demonstrated to play a athogens and to regulate inflammatory tors. Besides its role in cancer, altered		
Immunogen	Synthetic peptide from cytoplasmic tail of human MUC1 protein				
Aliases	MUC-1, Breast carcinoma-associated antigen DF3, Cancer antigen 15-3, CA 15-3, Carcinoma-associated mucin, Episialin, H23AG, Krebs von den Lungen-6, KL-6, PEMT, Peanut-reactive urinary mucin, PUM, Polymorphic epithelial mucin, PEM, Tumor-associated epithelial membrane antigen, EMA, Tumor-associated mucin, CD227				
Gene	Gene name: MUC1	Entrez ID: <u>4582</u>	Uniprot: <u>P15941</u>		

Storage&stability Product should be stored at 4°C. Under recommended storage conditions, product is stable for at least one year.

**Precautions** For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC Brenda Teunissen

Date 26/06/2020

Do you have any questions or comments regarding this product? Please contact us via support@hycultbiotech.com.

# bringing innate immunity to the next level