MUC7 Antibody – Rabbit Polyclonal

PRODUCT OVERVIEW

Product Name	MUC7, Polyclonal Antibody
Full Product Name	MUC7 Conjugated Antibody
Product Gene Name	anti-MUC7 antibody
Product Synonym Names	MG2
Clonality	Polyclonal
Host	Rabbit
Species Reactivity	Human
Form/Format	0.01M Sodium Phosphate, 0.25M NaCl, pH 7.6, 5mg/ml Bovine Serum Albumin, 0.02% Sodium Azide
Specificity	The antibody detects endogenous levels of total MUC7 protein.
Preparation and Storage	Store at 4 degree C for 6 months.
OMIM	158375
3D Structure	ModBase 3D Structure for Q8TAX7
Immunogen	Synthetic peptide of human MUC7
Conjugation	Biotin AF350 AF405 AF488 AF555 AF594 AF647 AF680 AF750
Excitation Emission	AF350: 346nm/442nm
Applications Tested/Suitable for anti-MUC7 antibody	Most Applications
Application Notes for anti-MUC7 antibody	Suggested Dilution: AF350 conjugated: most applications: 1:50-1:250 AF405 conjugated: most applications: 1:50-1:250 AF488 conjugated: most applications: 1:50-1:250 AF555 conjugated: most applications: 1:50-1:250 AF594 conjugated: most applications: 1:50-1:250 AF647 conjugated: most applications: 1:50-1:250 AF680 conjugated: most applications: 1:50-1:250 AF750 conjugated: most applications: 1:50-1:250 Biotin conjugated: working with enzyme-conjugated streptavidin, most applications: 1:50-1:1000
Related Product Information for anti-MUC7 antibody	This gene encodes a small salivary mucin, which is thought to play a role in facilitating the clearance of bacteria in the oral cavity and to aid in mastication, speech, and swallowing. The central domain of this glycoprotein contains tandem repeats, each composed of 23 amino acids. This antimicrobial protein has antibacterial and antifungal activity. The most common allele contains 6 repeats, and some alleles may be associated with susceptibility to asthma. Alternatively spliced transcript variants with different 5' UTR, but encoding the same protein, have been found for this gene.
Other Notes	Small volumes of anti-MUC7 antibody vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for MUC7 purchase	MBS9451526 is an antibody targeting MUC7. Also known as MUC7 Conjugated Antibody. Reactive in Human. Host: Rabbit.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for MUC7. It may not necessarily be applicable to this product.

NCBI GI #	222418645
NCBI GeneID	4589
NCBI Accession #	NP_689504
UniProt Primary Accession #	Q8TAX7
UniProt Related Accession #	Q8TAX7
GenBank Nucleotide #	NP_689504.2
NCBI Official Full Name	mucin-7
NCBI Official Synonym Full Names	mucin 7, secreted
NCBI Official Symbol	MUC7
NCBI Official Synonym Symbols	MG2
UniProt Protein Name	Mucin-7
UniProt Synonym Protein Names	Apo-MG2; Salivary mucin-7
Protein Family	Mucin
UniProt Gene Name	MUC7
UniProt Synonym Gene Names	MG2; MUC-7
UniProt Entry Name	MUC7_HUMAN
NCBI Protein Information	mucin-7
UniProt Comments for MUC7	MUC7: May function in a protective capacity by promoting the clearance of bacteria in the oral cavity and aiding in mastication, speech, and swallowing. Binds P.aeruginosa pili. Genetic variations in MUC7 are associated with susceptibility to asthma (ASTHMA). The most common chronic disease affecting children and young adults. It is a complex genetic disorder with a heterogeneous phenotype, largely attributed to the interactions among many genes and between these genes and the environment. It is characterized by recurrent attacks of paroxysmal dyspnea, with weezing due to spasmodic contraction of the bronchi. Protein type: Secreted, signal peptide; Secreted Chromosomal Location of Human Ortholog: 4q13.3 Cellular Component: Golgi lumen Molecular Function: protein binding Biological Process: protein amino acid O-linked glycosylation; cellular protein metabolic process; O-glycan processing; post-translational protein modification Disease: Asthma, Susceptibility To
Research Articles on MUC7	**1.** These data suggest a chemokine driven alteration of MUC7 glycosylation in patients with burning mouth syndrome.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.

Disclaimer	While every efforts were made to ensure the accuracy of the information provided in this datasheet, MyBioSource will not be liable for any omissions or errors contained herein. MyBioSource reserves the right to make changes to this datasheet at any time without prior notice. It is the responsibility of the customer to report product performance issues to MyBioSource within 30 days of receipt of the product. Please visit our Terms & Conditions page for more information.
Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/polyclonal-human-antibody/muc7/9451526