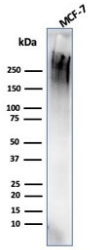
Recombinant MUC1 Antibody / Mucin-1 [clone rMUC1/4418] (V8642)

Catalog No.	Formulation	Size
V8642-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8642-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8642SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

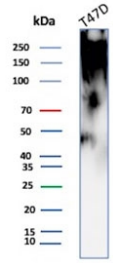
Recombinant MOUSE MONOCLONAL

Bulk quote request

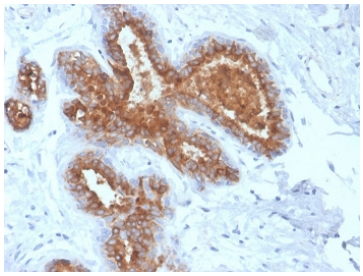
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2a, kappa
Clone Name	rMUC1/4418
Purity	Protein G affinity chromatography
UniProt	P15941
Localization	Cytoplasmic, cell surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT Western Blot : 2-4ug/ml
Limitations	This recombinant MUC1 antibody is available for research use only.



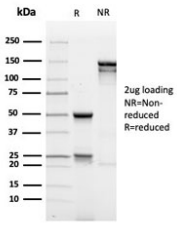
Western blot testing of human MCF7 cell lysate with MUC1 antibody (clone rMUC1/4418). This glycoprotein is commonly visualized between 120~500 kDa.



Western blot testing of human T-47D cell lysate with MUC1 antibody (clone rMUC1/4418). This glycoprotein is commonly visualized between 120~500 kDa.



IHC staining of FFPE human breast carcinoma with recombinant MUC1 antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



SDS-PAGE analysis of purified, BSA-free recombinant MUC1 antibody as confirmation of integrity and purity.

Description

Mucin-1/MUC1/EMA may provide a protective layer on epithelial cells against bacterial and enzyme attack. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinomas. Anti-EMA antibody is a useful marker for staining many carcinomas. It stains normal and neoplastic cells from various tissues, including mammary epithelium, sweat glands and colorectal carcinoma. Hepatocellular carcinoma, adrenal carcinoma and embryonal carcinomas are consistently EMA negative, so keratin positivity with negative EMA favors one of these tumors. EMA is frequently positive in meningioma, which can be useful when distinguishing it from other intracranial neoplasms such as schwannomas. Antibody to EMA is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.

Application Notes

Optimal dilution of the recombinant MUC1 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human MUC1 protein was used as the immunogen for the recombinant MUC1 antibody.

Storage

Store the recombinant MUC1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).