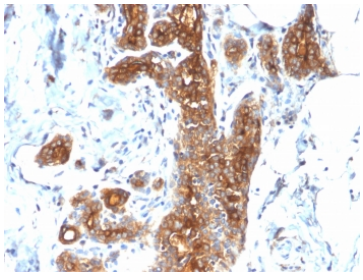
Recombinant Mucin-1 Antibody / Rabbit Monoclonal [clone MUC1/2278R] (V3697)

Catalog No.	Formulation	Size
V3697-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3697-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3697SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3697IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

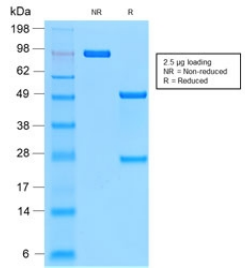
Recombinant RABBIT MONOCLONAL

Bulk quote request

Species Reactivity	Human
Format	Purified
Host	Rabbit
Clonality	Recombinant Rabbit Monoclonal
Isotype	Rabbit IgG, kappa
Clone Name	MUC1/2278R
Purity	Protein A affinity chromatography
UniProt	P15941
Gene ID	4582
Localization	Cytoplasmic and cell surface
Applications	Immunohistochemistry (FFPE): 1-2ug/ml for 30 min at RT
Limitations	This recombinant Mucin-1 antibody is available for research use only.



IHC testing of FFPE human breast carcinoma with recombinant Mucin-1 antibody (clone MUC1/2278R). Required HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 min.



SDS-PAGE analysis of purified, BSA-free recombinant Mucin-1 antibody (clone MUC1/2278R) as confirmation of integrity and purity.

Description

This MAb reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. It is used as tracer agent in CA15.3 assays. The extracellular domain of MUC1 largely consists of a highly conserved, O-glycosylated 20 amino acids tandem repeat which can occur 30-100 times per molecule depending on the length of the allele involved. In the vast majority of human carcinomas this protein is up-regulated and poorly glycosylated and appears on the cell surface in a non-polarized fashion. The dominant epitope of this MAb involves both amino acids as well as sugar moieties. Its epitope is destroyed by desialylation i.e. treatment with Neuraminidase.

Application Notes

Titration of the recombinant Mucin-1 may be required due to differences in protocols and secondary/substrate sensitivity.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Human milk fat globule membranes were used as the immunogen for this recombinant Mucin-1 antibody.

Storage

Store the recombinant Mucin-1 antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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