

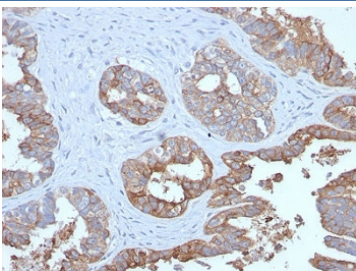
## Recombinant MUC1 Antibody / Mucin-1 [clone MUC1/2729R] (V7307)

Catalog No.	Formulation	Size
V7307-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V7307-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V7307SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V7307IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

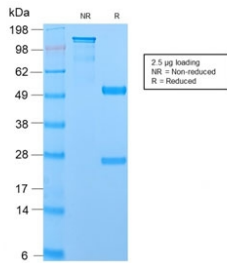
Recombinant **RABBIT MONOCLONAL**

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<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Rabbit
<b>Clonality</b>	Recombinant Rabbit Monoclonal
<b>Isotype</b>	Rabbit IgG, kappa
<b>Clone Name</b>	MUC1/2729R
<b>Purity</b>	Protein A affinity chromatography
<b>UniProt</b>	P15941
<b>Gene ID</b>	4582
<b>Localization</b>	Cytoplasmic and cell surface
<b>Applications</b>	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
<b>Limitations</b>	This recombinant MUC1 antibody is available for research use only.



IHC testing of FFPE human prostate carcinoma with recombinant MUC1 antibody. 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 MUC1 antibody as confirmation of integrity and purity.

## Description

This MAb reacts with the DTRP epitope in the tandem repeats. The alpha subunit has cell adhesive properties. It can act both as an adhesion and an anti-adhesion protein. EMA/Mucin-1/MUC1 may provide a protective layer on epithelial cells against bacterial and enzyme attack. The beta subunit contains a C-terminal domain, which is involved in cell signaling, through phosphorylations and protein-protein interactions. In immunohistochemical assays, it superbly stains routine formalin/paraffin carcinoma tissues. Antibody to MUC1 is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.

## Application Notes

Titration of the recombinant MUC1 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

Full length human protein was used as the immunogen for this recombinant MUC1 antibody.

## Storage

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