

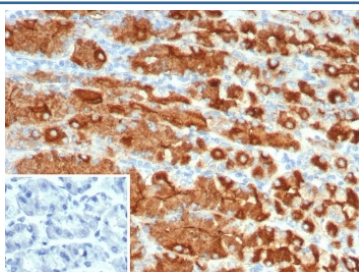
Recombinant MUC1 Antibody / Mucin 1 / EMA [clone r115D8] (V5491)

Catalog No.	Formulation	Size
V5491-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V5491-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V5491SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

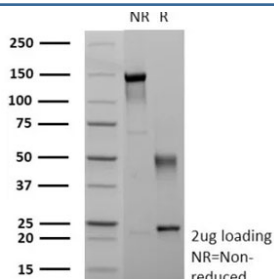
Recombinant **MOUSE MONOCLONAL**

[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG2b, kappa
Clone Name	r115D8
Purity	Protein A/G affinity
UniProt	P15941
Localization	Cytoplasm, Cell membrane
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml
Limitations	This recombinant MUC1 antibody is available for research use only.



IHC staining of FFPE human stomach tissue with recombinant MUC1 antibody (clone r115D8). Inset: PBS used in place of primary Ab (secondary Ab negative control). 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 (clone r115D8) as confirmation of integrity and purity.

Description

In Western blotting, it recognizes proteins in MW range of 265-400kDa, identified as different glycoforms of EMA/Mucin 1. The alpha subunit has cell adhesive properties. It can act both as an adhesion and an anti-adhesion protein. Mucin 1 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 EMA/Mucin 1 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 Mucin 1 protein was used as the immunogen for the recombinant MUC1 antibody.

Storage

Aliquot the recombinant MUC1 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.