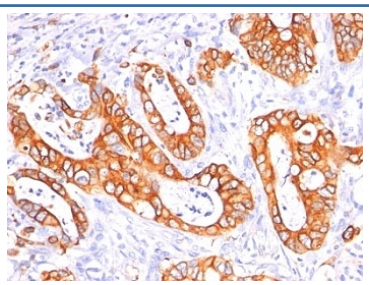
MUC1 Antibody Cocktail [clone GP1.4 + E29] (V3138)

Catalog No.	Formulation	Size
V3138-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3138-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3138SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V3138IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1 + IgG2a
Clone Name	GP1.4 + E29
Purity	Protein G affinity chromatography
UniProt	P15941
Localization	Cytoplasmic & cell surface
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This MUC1 antibody cocktail is available for research use only.



IHC: Formalin-fixed, paraffin-embedded human colon carcinoma stained with MUC-1 / EMA antibody cocktail (clones GP1.4 + E29).

Description

In Western blotting, it recognizes proteins in MW range of 265-400kDa, identified as different glycoforms of EMA. The alpha subunit has cell adhesive properties. It can act both as an adhesion and an anti-adhesion protein. EMA 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 is useful as a pan-epithelial marker for detecting early metastatic loci of carcinoma in bone marrow or liver.

Application Notes

The optimal dilution of the MUC1 antibody for each application should be determined by the researcher.

1. Staining of formalin-fixed tissues requires boiling tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min followed by cooling at RT for 20 minutes.
2. 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 MUC1 antibody.

Storage

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

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