

Product Datasheet

MUC1 Antibody (VU-11E2) NBP1-42161

Unit Size: 0.1 mg

Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.

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NBP1-42161**MUC1 Antibody (VU-11E2)**

Product Information	
Unit Size	0.1 mg
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C short term. Aliquot and store at -20C long term. Avoid freeze-thaw cycles.
Clonality	Monoclonal
Clone	VU-11E2
Preservative	0.05% Sodium Azide
Isotype	IgG1
Purity	Protein A or G purified
Buffer	0.1 mg/ml PBS
Product Description	
Host	Mouse
Gene ID	4582
Gene Symbol	MUC1
Species	Human, Mouse
Reactivity Notes	Human, Mouse
Specificity/Sensitivity	VU-11E2 reacts with MUC1, a large transmembrane glycoprotein expressed on the ductal surface of normal glandular epithelia. The extracellular domain of MUC1 largely consists of a highly conserved, O-glycosylated 20 aminoacids 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 upregulated and poorly glycosylated and appears on the cell surface in a non-polarized fashion. The dominant epitope of mAb VU11E2 is the 7-mer TSAPDTR of the MUC1 tandem repeat as established with "epitope fingerprinting". Source: A Balb/c mouse was immunized with live cells (107 cells/dose in PBS) of human breast cancer cell line ZR-75-1. Splenocytes were fused with SP2/0 mouse myeloma cells. Stability of the hybridomas was established by subcloning four times.
Immunogen	The antibody reacts with the MUC1 antigen.
Product Application Details	
Applications	ELISA, Immunohistochemistry, Immunohistochemistry-Frozen
Recommended Dilutions	ELISA, Immunohistochemistry, Immunohistochemistry-Frozen
Application Notes	VU-11E2 has been tested on frozen sections of human ovarian carcinoma tissue and in ELISA specifically binds to a BSA conjugated 60mer MUC1 tandem repeat.



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Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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