

MUC1 Recombinant Rabbit Monoclonal Antibody (003)

Product Details

Size	100 µL
Species Reactivity	Human
Host/Isotype	Rabbit / IgG
Expression system	HEK293 cells
Class	Recombinant Monoclonal
Type	Antibody
Clone	003
Conjugate	Unconjugated
Immunogen	Recombinant Human MUC1/Mucin 1/CD227 Protein
Form	Liquid
Concentration	1 mg/mL
Purification	Protein A
Storage buffer	PBS
Contains	no preservative
Storage conditions	Store at 4°C short term. For long term storage, store at -20°C, avoiding freeze/thaw cycles.
RRID	AB_2786382

Applications	Tested Dilution	Publications
Western Blot (WB)	1:1,000	-
ELISA (ELISA)	1:5,000-1:10,000	-

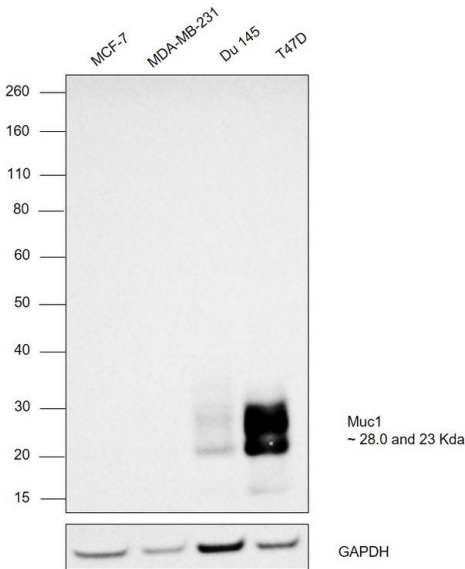
Product Specific Information

This product is preservative free. It is recommended to add sodium azide to avoid contamination (final concentration 0.05% -0.1%).

Recombinant rabbit monoclonal antibodies are produced using in vitro expression systems. The expression systems are developed by cloning in the specific antibody DNA sequences from immunoreactive rabbits. Then, individual clones are screened to select the best candidates for production. The advantages of using recombinant rabbit monoclonal antibodies include: better specificity and sensitivity, lot-to-lot consistency, animal origin-free formulations, and broader immunoreactivity to diverse targets due to larger rabbit immune repertoire.

This antibody has specificity for Human MUC1/Mucin 1/CD227.

Product Images For MUC1 Recombinant Rabbit Monoclonal Antibody (003)

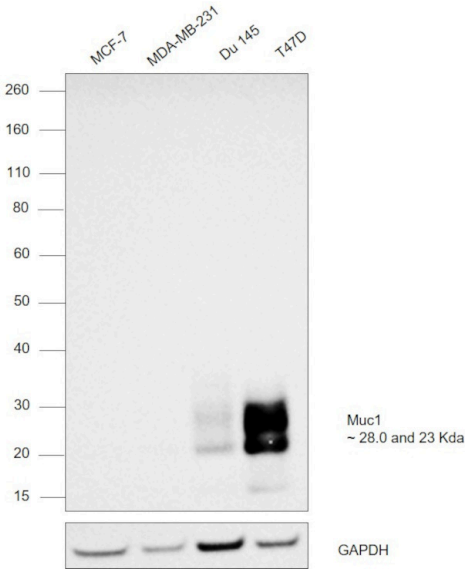


MUC1 Antibody (MA5-30688) in WB

Western blot analysis was performed on whole cell extracts (30 µg lysate) of MCF-7 (Lane 1), MDA-MB-231 (Lane 2), DU 145 (Lane 3) and T47D (Lane 4). The blot was probed with Anti-MUC-1 Monoclonal Antibody (Product # MA5-30688, 1:1,000 dilution). Resolved proteins were then transferred onto a nitrocellulose membrane (Product # IB23001) by iBlot® 2 Dry Blotting System (Product # IB21001) and detected by chemiluminescence using Goat anti-Rabbit IgG (Heavy Chain) Superclonal™ Recombinant Secondary Antibody, HRP conjugate (Product # A27036, 0.25 µg/mL, 1:4,000 dilution) using the iBright FL 1000 (Product # A32752). Chemiluminescent detection was performed using Novex® ECL Chemiluminescent Substrate Reagent Kit (Product # WP20005). A doublet bands between ~30 and ~20 kDa were observed corresponding to MUC1 across all the cell lines tested except MCF-7 and MDA-MB-231.

MUC1 Antibody (MA5-30688)

Antibody specificity was demonstrated by detection of differential basal expression of the target across cell models owing to their inherent genetic constitution. Relative expression of MUC1 was observed in cell lines T47D and DU 145 in comparison to the cell lines MDA-MB-231 and MCF-7) using MUC1 antibody (Product # MA5-30688) in western blot. {RE}



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