

ABfinity™ Muc 18 Recombinant Rabbit Monoclonal Antibody

Publication Part no. MAN0006824

Rev. 1.00

Catalog Number: 701199

Store at 2° to 8°C (short-term), or -20°C (long-term)

Clonality: Monoclonal
Concentration: 0.5 mg/mL
Quantity: 100 µg
Volume: 200 µL

Host/Class: Rabbit IgG
Reactivity: Human Muc 18
Predicted Reactivity: Human

Product Description

MUC18 is an intercellular cell and neural cell adhesion molecule which is highly expressed on metastatic melanomas. The MUC18 antigen is an integral membrane glycoprotein of 113 kDa, and performs the functions typical of cell adhesion molecules, including adhesion (cell-cell and cell-extracellular matrix), response to extra-cellular stimuli, intracellular interactions with the cytoskeleton, and cross-talk with signaling pathways.

Product Specifications

Immunogen: Peptide corresponding to amino acids 375–386 of human Muc 18
Alternate Names: MCAM, Mel-CAM (Melanoma cell adhesion molecule), CD146
Apparent MW: ~110 kDa
Gene ID: 4162
Protein Accession No.: P43121
Sequence Identity: Human
Sequence Homology: Monkey
Clone/PAD: 2H17L14
Lot: See product label

Product Applications

Application	Species	Test Material	Concentration
Western blotting	Human	Sk-Mel-37, Du-145, and PC-3 cells	2–3 µg/mL

Storage and Handling

Store the antibody at 2 to 8°C for up to 1 month, -20°C for long storage. Avoid repeated freezing and thawing.

Stability

When stored as instructed, expires one year from date of receipt unless otherwise indicated on product label.

Storage Buffer

Phosphate buffered saline (PBS) with 0.09% sodium azide.

Caution: Sodium azide is an extremely toxic and dangerous compound particularly when combined with acids or metals. Properly dispose of solutions containing sodium azide.

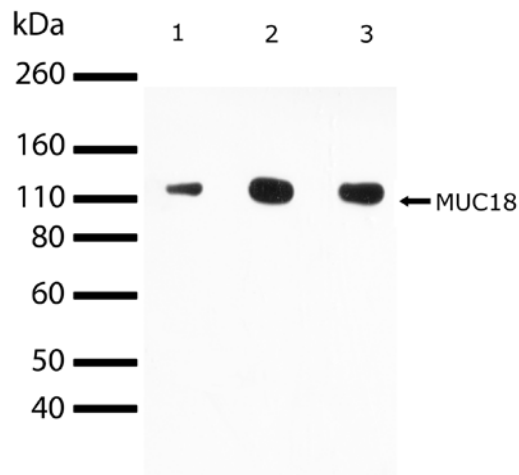


Figure 1 Western blot analysis of ABfinity™ Muc 18 Recombinant Rabbit Monoclonal Antibody (Cat. no. 701199). Western blot analysis was performed on whole cell extracts from Du-145 (lane 1), PC-3 (lane 2), and Sk-Mel-37 (lane 3). Endogenous level of Muc 18 at ~110 kDa was detected using ABfinity™ Muc 18 Recombinant Rabbit Monoclonal Antibody at a concentration of 2 µg/mL. The blot was developed using chemiluminescence (ECL) method.

For research use only. Not for human or animal therapeutic or diagnostic use.

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




Product Documentation

To obtain a Certificate of Analysis or Safety Data Sheets (SDSs), visit www.lifetechnologies.com/support.

Related Products

Product Name	Quantity	Catalog no.
iBlot® Dry Blotting System	1 unit	IB1001
WesternBreeze® Chromogenic Kit Anti-Rabbit	1 kit	WB7105
WesternBreeze® Chemiluminescent Kit, Anti-Rabbit	1 kit	WB7106
Goat anti-mouse (H+L), HRP conj.	1 mg	G21040
Goat anti-rabbit (H+L), HRP conj.	1 mg	G21234
Goat anti-mouse (H+L), AP conj.	1 mg	G21060
Goat anti-rabbit (H+L), AP conj.	1 mg	G21079
Nitrocellulose, 0.2 µm	20/pack	LC2000

Explanation of symbols

Symbol	Description	Symbol	Description
	Catalogue Number		Batch code
	Research Use Only		<i>In vitro</i> diagnostic medical device
	Use by		Temperature limitation
	Manufacturer		European Community authorised representative
	Without, does not contain		With, contains
	Protect from light		Consult accompanying documents
	Directs the user to consult instructions for use (IFU), accompanying the product.		

Limited Product Warranty

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