

MED7 Antibody

Mouse Monoclonal Antibody [Clone PCRP-MED7-1B8]

Catalog No	Format	Size
9443-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9443-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9443-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

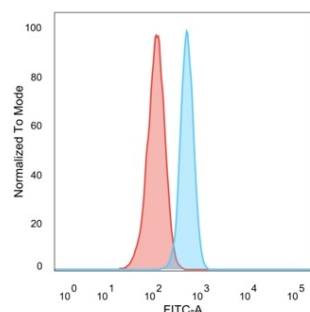
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

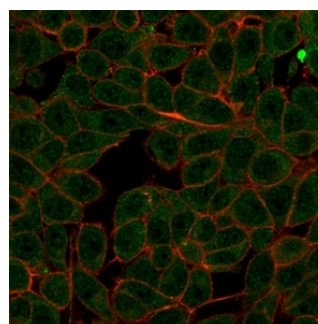
Clone	PCRP-MED7-1B8
Gene Name	MED7
Immunogen	Recombinant full-length human MED7 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	27.2kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa, U-251 MG or CACO-2 cells.

**Optimal dilution for a specific application should be determined.*

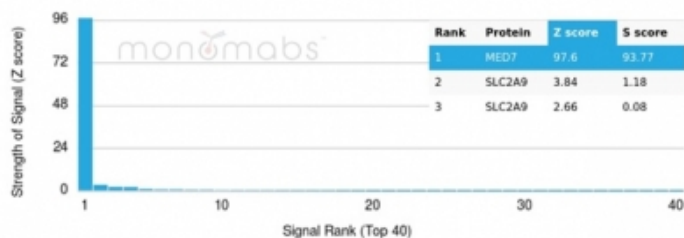
Product Images for MED7 Antibody



Flow cytometric analysis of PFA-fixed HeLa cells. MED7 Mouse Monoclonal Antibody (PCRP-MED7-1B8) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Immunofluorescence Analysis of PFA-fixed HeLa cells stained using MED7 Mouse Monoclonal Antibody (PCRP-MED7-1B8) followed by goat anti-mouse IgG-CF488 (green). CF640R phalloidin (red).



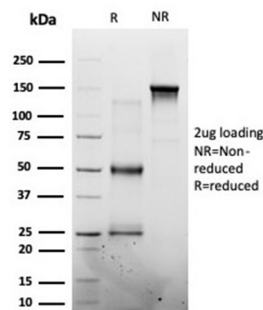
Analysis of Protein Array containing more than 19,000 full-length human proteins using MED7-Monospecific Mouse Monoclonal Antibody (PCRP-MED7-1B8). Z- and S-Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.

Specificity & Comments

MED7, also known as HKQ, QK, QK3 or quaking, is a 341 amino acid protein that localizes to both the cytoplasm and the nucleus and contains one KH domain. Expressed in the frontal cortex of the brain, MED7 functions as an RNA-binding protein that plays an important role in myelination and specifically binds to the RNA core sequence 5'-NACUAAY-N(1,20)-UAAY-3'. Additionally, MED7 regulates pre-mRNA splicing, and mRNA export and is involved in protecting and promoting the stability of select mRNAs. MED7 may be methylated by PRMT1 and may also be phosphorylated at its C-terminus, an event that decreases MED7 mRNA-binding affinity. Defects or deletions in the gene encoding MED7 are associated with astrocytic tumors and may be involved in the pathogenesis of schizophrenia. Multiple isoforms of MED7 exist due to alternative splicing events.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.



SDS-PAGE Analysis of Purified MED7 Mouse Monoclonal Antibody (PCRP-MED7-1B8). Confirmation of Purity and Integrity of Antibody.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Developmental Biology, Nuclear Marker, Transcription Factors