

Anti-MED7 Antibody [PCRP-MED7-1B8] (A277851)

Specifications:

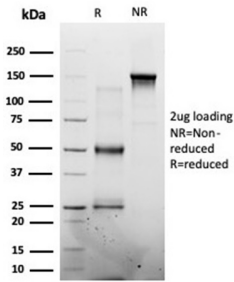
Name:	Anti-MED7 Antibody [PCRP-MED7-1B8]
Description:	Mouse monoclonal [PCRP-MED7-1B8] antibody to MED7.
Specificity:	MED7, also known as HKQ, QK, QK3 or quaking, is a 341 amino acid protein that localizes to both the cytoplasm and the nucleus and contains one KH domain. Expressed in the frontal cortex 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.
Applications:	ELISA, Flow Cytometry, IF, IP
Recommended Dilutions:	Flow Cytometry: 1-2 µg/million cells, IF: 1-2 µg/ml, IP: 1-2µg / 100-500µg proteins
Reactivity:	Human
Immunogen:	Recombinant full-length human MED7 protein.
Host:	Mouse
Clonality:	Monoclonal
Clone ID:	PCRP-MED7-1B8
Isotype:	IgG2b
Conjugate:	Unconjugated
Purification:	Protein A/G chromatography.
Concentration:	200 µg/ml
Product Form:	Liquid
Formulation:	Supplied in 10mM Phosphate Buffered Saline with 0.05% BSA and 0.05% Sodium Azide.
Storage:	Shipped at 4°C. Upon delivery aliquot and store at -20°C. Avoid freeze / thaw cycles.
General Notes:	This monoclonal antibody is also available in a different formulation without BSA and Sodium Azide - Anti-MED7 Antibody [PCRP-MED7-1B8] - BSA and Azide free (A278439).

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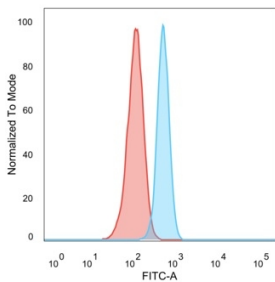
Specifications continued:

Disclaimer: This product is for research use only. It is not intended for diagnostic or therapeutic use.

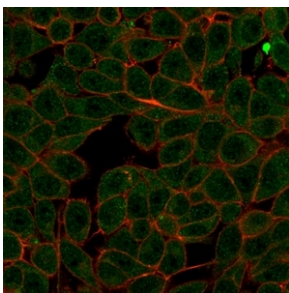
Images:



SDS-PAGE analysis of Anti-MED7 Antibody [PCRP-MED7-1B8] under non-reduced and reduced conditions; showing intact IgG and intact heavy and light chains, respectively. SDS-PAGE analysis confirms the integrity and purity of the antibody.



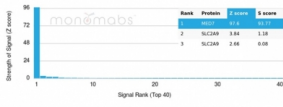
Flow cytometric analysis of PFA-fixed HeLa cells using Anti-MED7 Antibody [PCRP-MED7-1B8] followed by Goat Anti-Mouse IgG (CF@ 488) (Blue). Isotype Control (Red).



Immunofluorescent analysis of PFA-fixed HeLa cells stained with Anti-MED7 Antibody [PCRP-MED7-1B8] followed by Goat Anti-Mouse IgG (CF@ 488) (Green). CF@ 640R Phalloidin (Red).

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Images continued:



Analysis of protein array containing more than 19,000 full-length human proteins using Anti-MED7 Antibody [PCRP-MED7-1B8]. Z-Score 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.