

MED21 / SRB7 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-MED21-4B5]

Catalog No	Format	Size
9412-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9412-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9412-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

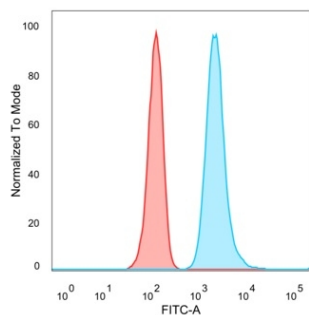
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

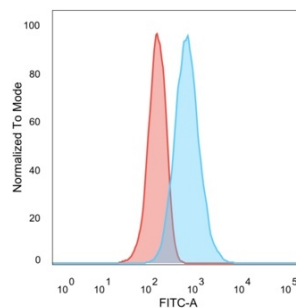
Clone	PCR-P-MED21-4B5
Gene Name	MED21
Immunogen	Recombinant full-length human MED21 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	15.5kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or K562 cells.

*Optimal dilution for a specific application should be determined.

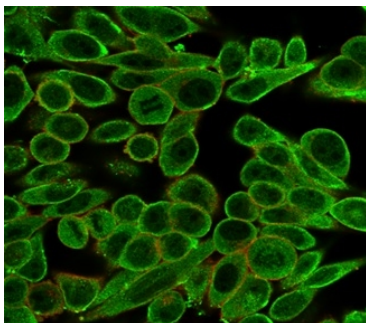
Product Images for MED21 / SRB7 Antibody



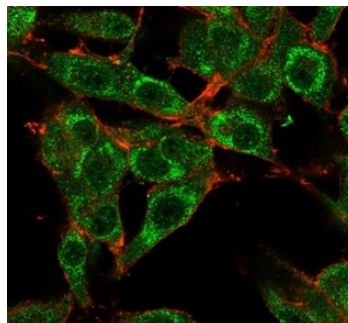
Flow cytometric analysis of PFA-fixed HeLa cells. MED21 Mouse Monoclonal Antibody (PCR-P-MED21-4B5) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



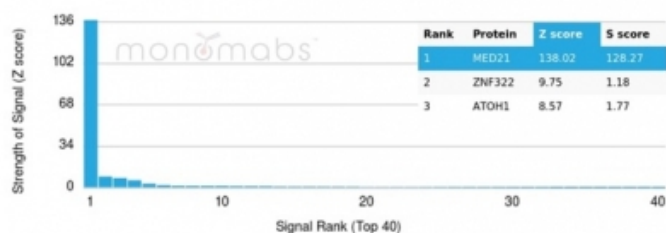
Flow cytometric analysis of PFA-fixed U87 cells. MED21 Mouse Monoclonal Antibody (PCR-P-MED21-4B5) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



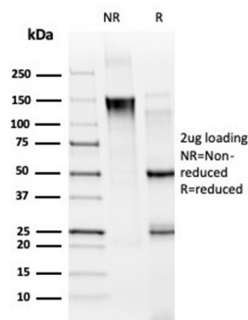
Immunofluorescence Analysis of PFA-fixed HeLa cells stained using MED21 Mouse Monoclonal Antibody (PCR-MED21-4B5) followed by goat anti-mouse IgG-CF488. Membrane stained with phalloidin.



Immunofluorescence Analysis of PFA-fixed U87 cells stained using MED21 Mouse Monoclonal Antibody (PCR-MED21-4B5) followed by goat anti-mouse IgG-CF488. Membrane stained with phalloidin.



Analysis of Protein Array containing more than 19,000 full-length human proteins using MED21 Mouse Monoclonal Antibody (PCR-MED21-4B5). 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.



SDS-PAGE Analysis. Purified MED21 Mouse Monoclonal Antibody (PCR-MED21-4B5). Confirmation of Purity and Integrity of Antibody

Specificity & Comments

In mammalian cells, transcription is regulated in part by high molecular weight coactivating complexes that mediate signals between transcriptional activators and RNA polymerase. These complexes include the SMCC (SRB and MED protein cofactor complex), which consists of various subunits that share homology with several components of the yeast transcriptional mediator complexes and including the human proteins Srb7, Med6 (also designated DRIP33) and Med7 (also designated DRIP34). SMCC associates with the RNAPII (RNA polymerase II) holoenzyme through Srb7 and, in turn, enhances gene-specific activation or repression induced by DNA-binding transcription factors. Med6 and Med7, as well as other components of SMCC, associate with co-activator proteins from the TRAP (thyroid hormone receptor-activating protein) complex and DRIP (for vitamin D receptor interacting protein) complex to facilitate steroid receptor dependent transcriptional activation. Additionally, SMCC associates with PC4 (positive cofactor 4) to repress basal transcription independent of RNAPII activity

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.

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