

MED22 (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCR-P-MED22-1E4]

Catalog No	Format	Size
6837-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
6837-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
6837-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

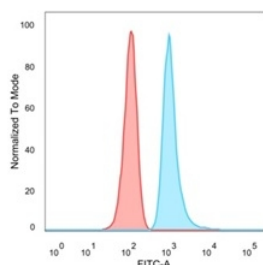
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Western Blot (WB)	2-4ug/ml	

Product Details

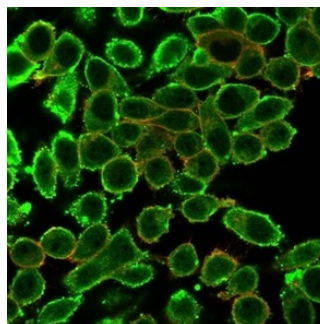
Clone	PCR-P-MED22-1E4
Gene Name	MED22
Immunogen	Recombinant full-length human MED22 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2c
Mol. Weight of Antigen	22kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or U87 cells.

*Optimal dilution for a specific application should be determined.

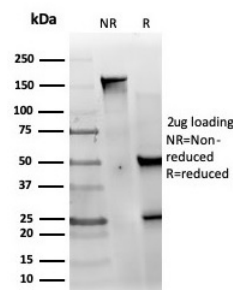
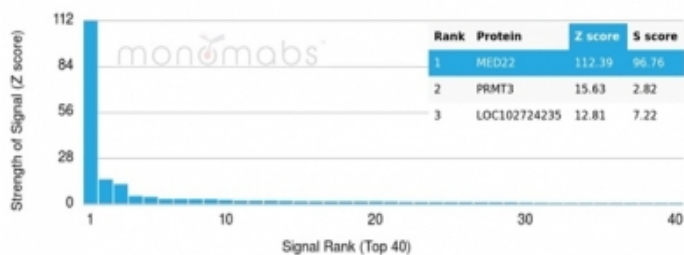
Product Images for MED22 (Transcription Factor) Antibody



Flow cytometric analysis of PFA-fixed HeLa cells. MED22 Mouse Monoclonal Antibody (PCR-P-MED22-1E4) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Immunofluorescence Analysis of PFA-fixed HeLa cells stained using MED22 Mouse Monoclonal Antibody (PCR-P-MED22-1E4) followed by goat anti-mouse IgG-CF488. Membrane stained with phalloidin.



SDS-PAGE Analysis of Purified MED22 Mouse Monoclonal Antibody (PCR-MED22-1E4). Confirmation of Purity and Integrity of Antibody.

Analysis of Protein Array containing more than 19,000 full-length human proteins using MED22 Mouse Monoclonal Antibody (PCR-MED22-1E4). 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

Med22 is a subunit of the RNA polymerase II (Pol II) transcriptional mediator complex. The mediator complex is a coactivator involved in the regulated transcription of Pol II-dependent genes. Functioning as a bridge to convey information from gene-specific regulatory proteins to the basal Pol II transcription machinery, the mediator complex is recruited to promoter regions by directly interacting with regulatory proteins. The mediator complex also serves as a scaffold for the assembly of a functional pre-initiation complex with Pol II and other general transcription factors. Med22 (mediator complex subunit 22), also known as SURF5 (surfeit locus protein 5), is a ubiquitously expressed 200 amino acid nuclear protein that is one of several components of the mediator complex. There are two isoforms of Med22 that are produced as a result of 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.

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