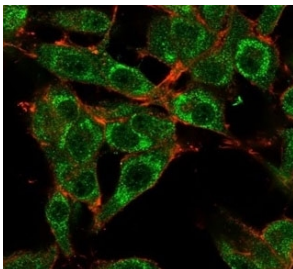


MED21 Antibody / SRB7 [clone PCRP-MED21-4B5] (V9179)

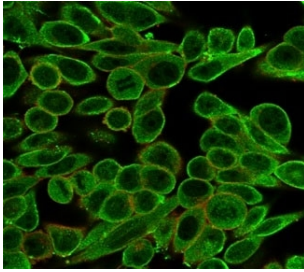
Catalog No.	Formulation	Size
V9179-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9179-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9179SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

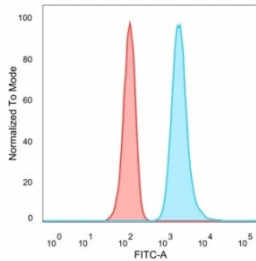
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PCRP-MED21-4B5
Purity	Protein A/G affinity
UniProt	Q13503
Localization	Nucleus, Cytoplasm
Applications	ELISA (order BSA-free Format For Coating) : Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml Western Blot : 1-2ug/ml
Limitations	This MED21 antibody is available for research use only.



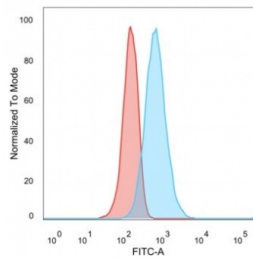
Immunofluorescent staining of PFA-fixed human U-87 cells using MED21 antibody (green, clone PCRP-MED21-4B5) and phalloidin (red).



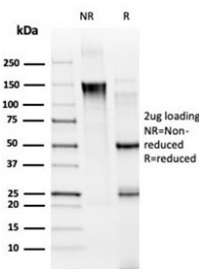
Immunofluorescent staining of PFA-fixed human HeLa cells using MED21 antibody (green, clone PCR-P-MED21-4B5) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with MED21 antibody (blue, clone PCR-P-MED21-4B5), and unstained cells (red).

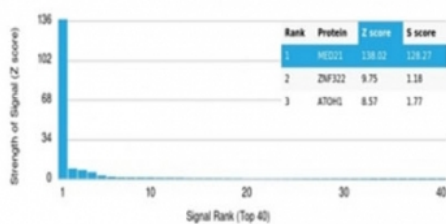


FACS staining of PFA-fixed human U-87 cells with MED21 antibody (blue, clone PCR-P-MED21-4B5), and unstained cells (red).



SDS-PAGE analysis of purified, BSA-free MED21 antibody (clone PCR-P-MED21-4B5) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using MED21 antibody (clone PCR-P-MED21-4B5). These results demonstrate the foremost specificity of the PCR-P-MED21-4B5 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

Description

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

Application Notes

Optimal dilution of the MED21 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human MED21 protein was used as the immunogen for the MED21 antibody.

Storage

Aliquot the MED21 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.