

ZNF408 / PRDM17 (Transcription Factor) Antibody

Mouse Monoclonal Antibody [Clone PCR-P-ZNF408-1E5]

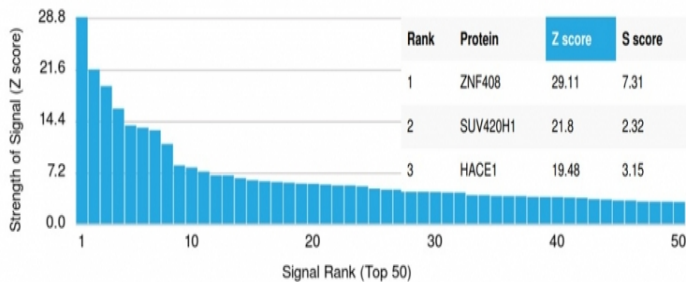
Catalog No	Format	Size
79797-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
79797-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
79797-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

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

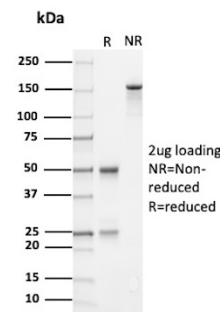
Product Details	
Clone	PCR-P-ZNF408-1E5
Gene Name	ZNF408
Immunogen	Recombinant full-length human ZNF408 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	118kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or Raji cells. Ubiquitous nuclear expression.

*Optimal dilution for a specific application should be determined.

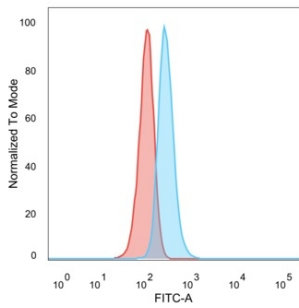
Product Images for ZNF408 / PRDM17 (Transcription Factor) Antibody



Analysis of Protein Array containing more than 19,000 full-length human proteins using ZNF408 Mouse Monoclonal Antibody (PCR-P-ZNF408-1E5). 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 of Purified Zinc finger protein 408 Mouse Monoclonal Antibody (PCR-P-ZNF408-1E5). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. ZNF408 Mouse Monoclonal Antibody (PCRP-ZNF408-1E5) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

Zinc-finger proteins contain DNA-binding domains and have a wide variety of functions, most of which encompass some form of transcriptional activation or repression. The majority of zinc-finger proteins contain a Kr ppeI-type DNA binding domain and a KRAB domain, which is thought to interact with KAP1, thereby recruiting histone modifying proteins. As a member of the Kr ppeI C2H2-type zinc-finger protein family, ZNF396 (zinc finger protein 396), also known as PRDM17 (PR domain zinc finger protein 17), is a 720 amino acid nuclear protein that contains ten C2H2-type zinc fingers. The gene encoding ZNF408 maps to human chromosome 11, which houses over 1,400 genes and comprises nearly 4% of the human genome. Jervell and Lange-Nielsen syndrome, Jacobsen syndrome, Niemann-Pick disease, hereditary angioedema and Smith-Lemli-Opitz syndrome are associated with defects in genes that maps to chromosome 11.

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.