

ZMYM3 Antibody

Mouse Monoclonal Antibody [Clone PCR-P-ZMYM3-2F10]

Catalog No	Format	Size
9203-MSM2-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
9203-MSM2-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
9203-MSM2-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

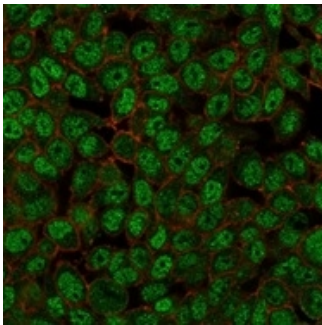
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes
Western Blot (WB)	2-4ug/ml	

Product Details

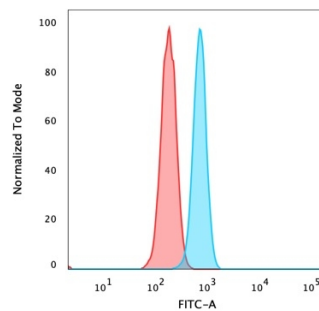
Clone	PCR-P-ZMYM3-2F10
Gene Name	ZMYM3
Immunogen	Recombinant full-length human ZMYM3 protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a
Mol. Weight of Antigen	152kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	HeLa or Raji cells. Ubiquitous nuclear expression.

*Optimal dilution for a specific application should be determined.

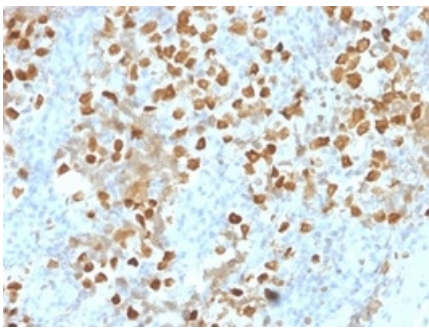
Product Images for ZMYM3 Antibody



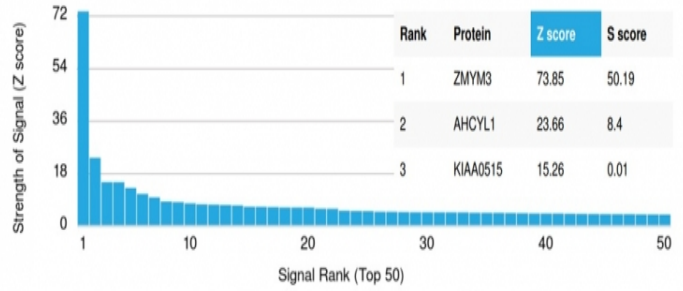
Immunofluorescence Analysis of PFA-fixed HeLa cells using ZMYM3 Mouse Monoclonal Antibody (PCR-P-ZMYM3-2F10) followed by goat anti-mouse IgG-CF488 (green). CF640A phalloidin (red).



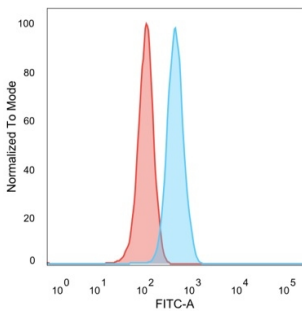
Flow Cytometric Analysis of PFA-fixed HeLa cells. ZMYM3 Mouse Monoclonal Antibody (PCR-P-ZMYM3-2F10) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).



Formalin-fixed, paraffin-embedded human breast carcinoma stained with ZMYM3 Mouse Monoclonal Antibody (PCRP-ZMYM3-2F10).



Analysis of Protein Array containing more than 19,000 full-length human proteins using ZMYM3 Mouse Monoclonal Antibody (PCRP-ZMYM3-2F10). 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.



Flow Cytometric Analysis of PFA-fixed Raji cells. ZMYM3 Mouse Monoclonal Antibody (PCRP-ZMYM3-2F10) 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. ZMYM3 (zinc finger MYM-type protein 3), also known as ZNF261 (zinc finger protein 261), XFIM, DXS6673E or MYM, is a 1,370 amino acid nuclear protein that contains nine MYM-type zinc fingers. Expressed in a variety of tissues, including heart, muscle and brain, ZMYM3 is thought to function as part of a histone deacetylase-containing complex that contains other proteins, such as HDAC1 and HDAC2, and may play a role in gene silencing through the modification of chromatin structure. Defects in the gene encoding ZMYM3 that lead to chromosomal translocations may be a cause of X-linked mental retardation. Two isoforms of ZMYM3 exist due to 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

Nuclear Marker