SPI-C / Transcription factor Spi-C Antibody

Mouse Monoclonal Antibody [Clone PCRP-SPIC-2C5]

Catalog No	Format	Size
121599-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
121599-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
121599-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

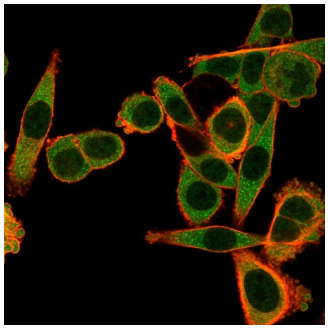
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

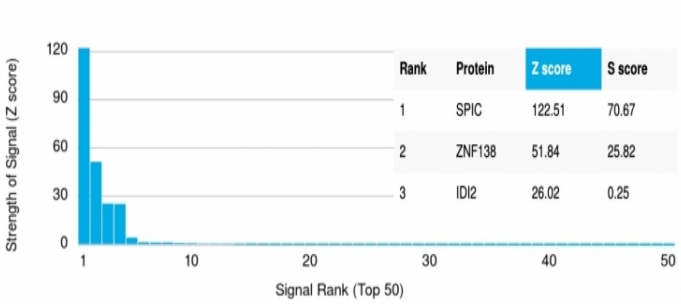
Clone	PCRP-SPIC-2C5
Gene Name	SPIC
Immunogen	Recombinant full-length human SPIC protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2b
Mol. Weight of Antigen	29kDa
Cellular Localization	Nucleus
Species Reactivity	Human
Positive Control	Jurkat or Raji cells.

**Optimal dilution for a specific application should be determined.*

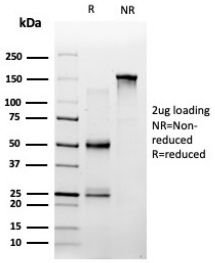
Product Images for SPI-C / Transcription factor Spi-C Antibody



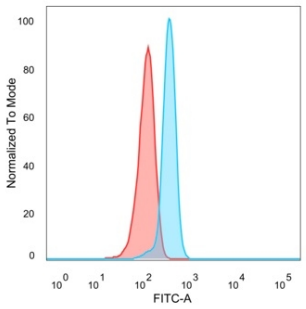
Immunofluorescent Analysis of PFA-fixed HeLa cells. SPIC Mouse Monoclonal Antibody (PCRP-SPIC-2C5) followed by IgG-CF488 (green), counterstained with phalloidin.



Analysis of Protein Array containing more than 19,000 full-length human proteinsusing SPIC / SPI-C Mouse Monoclonal Antibody (PCRP-SPIC-2C5). 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 HuProtTM 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 HuProtTM 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 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 SPIC Mouse Monoclonal Antibody (PCRP-SPIC-2C5). Confirmation of Purity and Integrity of Antibody.



Flow Cytometric Analysis of PFA-fixed HeLa cells. SPIC Mouse Monoclonal Antibody (PCRP-SPIC-2C5) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

The Ets transcription factor family is comprised of DNA-binding proteins that influence lymphoid development and activity and bind the consensus DNA site GGA(A/T) through a unique winged helix-turn-helix motif known as the Ets domain. Spi-B and Spi-C (also known as SPIC) are closely related Ets family members which share a conserved divergent sequence within the Ets domain that enables their binding to non-canonical AGAA sites. Spi-C is a 248 amino acid protein that localizes to the nucleus and, like other Ets family members, binds DNA as a monomer and plays a role in transcriptional regulation. Addi- tionally, Spi-C is thought to control the development of red pulp macrophages, thereby contributing to iron homeostasis and red blood cell recycling. Human Spi-C shares 65% amino acid identity with its mouse counterpart, suggesting a conserved role between species.

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.

Limitations and Warranty