

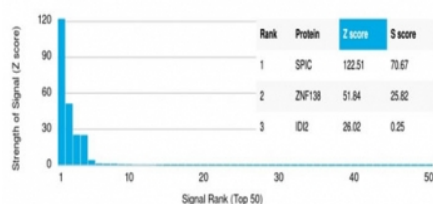
SPIC Antibody / Transcription factor Spi-C [clone PCRP-SPIC-2C5] (V9223)

Catalog No.	Formulation	Size
V9223-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9223-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9223SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

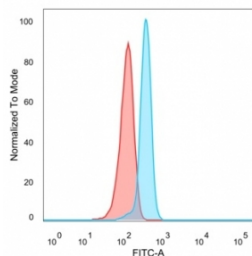
[Bulk quote request](#)

Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-SPIC-2C5
Purity	Protein A/G affinity
UniProt	Q8N5J4
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This SPIC antibody is available for research use only.

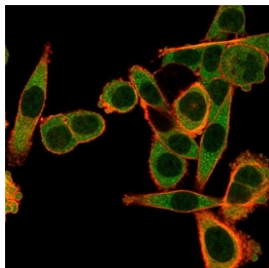
Human Protein Microarray Specificity Validation



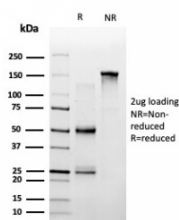
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using SPIC antibody (clone PCRP-SPIC-2C5). These results demonstrate the foremost specificity of the PCRP-SPIC-2C5 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination 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 $\pm$ 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 $\pm$ s) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



FACS staining of PFA-fixed human HeLa cells with SPIC antibody (blue, clone PCRP-SPIC-2C5), and unstained cells (red).



Immunofluorescent staining of PFA-fixed human HeLa cells using SPIC antibody (green, clone PCRP-SPIC-2C5) and phalloidin (red).



SDS-PAGE analysis of purified, BSA-free SPIC antibody (clone PCRP-SPIC-2C5) as confirmation of integrity and purity.

Description

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. Additionally, 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.

Application Notes

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

Immunogen

Recombinant full-length human Transcription factor Spi-C protein was used as the immunogen for the SPIC antibody.

Storage

Aliquot the SPIC antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

