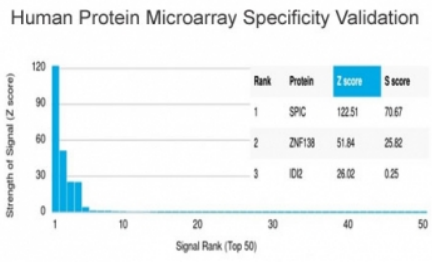
SPIC Antibody / Transcription factor Spi-C [clone PCRP-SPIC-2C5] (V9223)

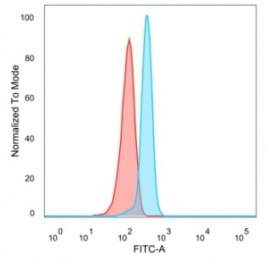
Catalog No.	Formulation	Size
V9223-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9223-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9223SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

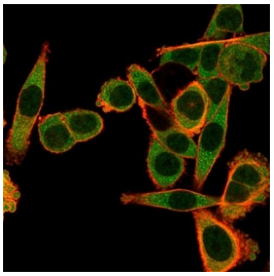
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-SPIC-2C5
Purity	Protein A/G affinity
UniProt	Q8N5J4
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml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



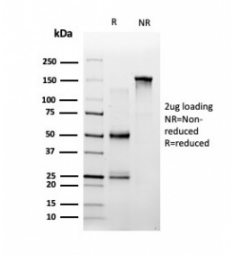
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using SPIC antibody (clone PCRP-SPIC-2C5). These results demonstrate the foremost specificity of the PCRP-SPIC-2C5 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination 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'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.



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. 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.

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 -20oC or colder. Avoid repeated freeze-thaw cycles.