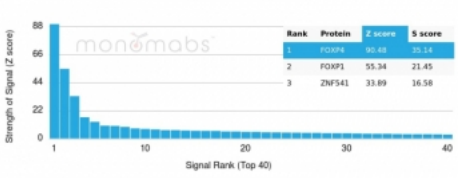
FOXP4 Antibody [clone PCRP-FOXP4-1A10] (V4079)

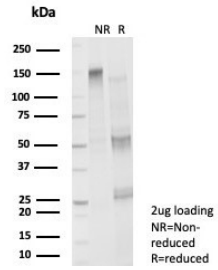
Catalog No.	Formulation	Size
V4079-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4079-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4079SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

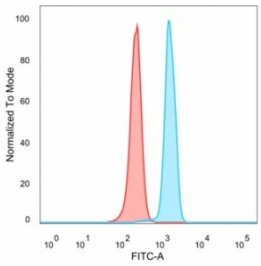
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PCRP-FOXP4-1A10
Purity	Protein A/G affinity
UniProt	Q8IVH2
Localization	Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This FOXP4 antibody is available for research use only.



Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using FOXP4 antibody (clone PCRP-FOXP4-1A10). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (in combination with a fluorescently-tagged anti-IgG secondary antibody) 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 targets on 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-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 of purified, BSA-free FOXP4 antibody (clone PCRP-FOXP4-1A10) as confirmation of integrity and purity.



Flow cytometry testing of PFA-fixed human HeLa cells with FOXP4 antibody (clone PCRP-FOXP4-1A10) followed by goat anti-mouse IgG-CF488 (blue); Red = unstained cells.

Description

The FOXP4 (Scm-like with four MBT domains 2) gene shares high similarity with the Drosophila Scm (sex comb on midleg) gene. Sfmbt2 is a Polycomb group (PcG) gene that maps to the proximal region of Chromosome 2, and is a putative imprinted gene. Sfmbt2 is the first imprinted gene within this region to be identified. Studies indicate that six different translocations involving proximal chromosome 2 results in lethality when present as a maternal uniparental duplication.

Application Notes

Optimal dilution of the FOXP4 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein (within amino acids 302-541) from the human protein was used as the immunogen for the FOXP4 antibody.

Storage

Aliquot the FOXP4 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.