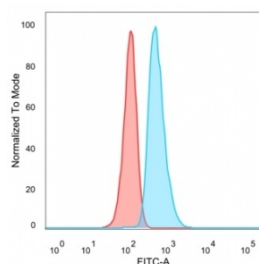


SOX10 Antibody [clone PCRP-SOX10-1D8] (V8947)

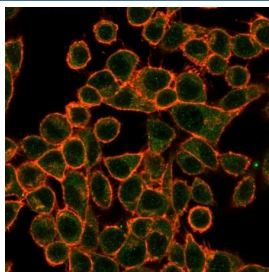
Catalog No.	Formulation	Size
V8947-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8947-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8947SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

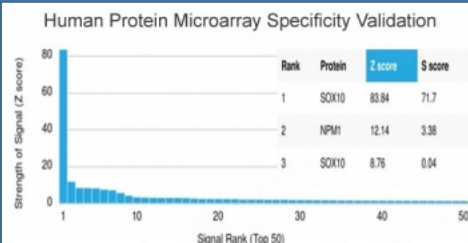
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-SOX10-1D8
Purity	Protein A/G affinity
UniProt	P56693
Localization	Nuclear
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This SOX10 antibody is available for research use only.



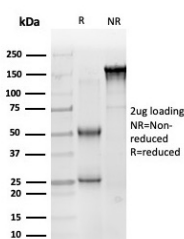
FACS staining of PFA-fixed human HeLa cells with SOX10 antibody (blue, clone PCRP-SOX10-1D8), and unstained cells (red).



Immunofluorescent staining of PFA-fixed human HeLa cells using SOX10 antibody (green, clone PCRP-SOX10-1D8) and phalloidin (red).



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using SOX10 antibody (clone PCRP-SOX10-1D8). These results demonstrate the foremost specificity of the PCRP-SOX10-1D8 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.



SDS-PAGE analysis of purified, BSA-free SOX10 antibody (clone PCRP-SOX10-1D8) as confirmation of integrity and purity.

Description

This MAb is highly specific and does not cross-react with other members of the SOX-family. SOX genes comprise a family of genes that are related to the mammalian sex-determining gene SRY. These genes similarly contain sequences that encode for the HMG-box domain, which is responsible for the sequence-specific DNA-binding activity. SOX10 is a sensitive marker of melanoma, including conventional, spindle, and desmoplastic subtypes. Expressed by metastatic melanomas and nodal capsular nevus in sentinel lymph nodes, but not by other lymph node components such as dendritic cells, which usually express S100 protein. Often used melanoma markers, such as anti-HMB45 and anti-MelanA, are poorly expressed in desmoplastic melanomas while SOX10 is moderately-to-strongly expressed in desmoplastic melanomas.

Application Notes

Optimal dilution of the SOX10 antibody should be determined by the researcher.

Immunogen

A portion of amino acids 90-179 was used as the immunogen for the SOX10 antibody.

Storage

Aliquot the SOX10 antibody and store frozen at -20°C or colder. Avoid repeated freeze-thaw cycles.

