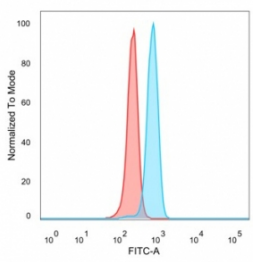
SOX12 Antibody / Transcription factor SOX-12 [clone PCRP-SOX12-1E4] (V4830)

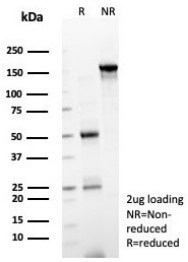
Catalog No.	Formulation	Size
V4830-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V4830-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V4830SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

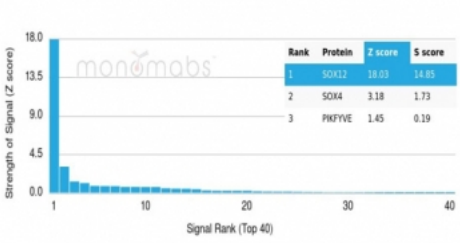
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PCRP-SOX12-1E4
Purity	Protein A/G affinity
UniProt	O15370
Localization	Nucleus
Applications	Flow cytometry: 1-2ug/million cells
Limitations	This SOX12 antibody is available for research use only.



Flow cytometry testing of PFA-fixed human HeLa cells with SOX12 antibody (clone PCRP-SOX12-1E4) followed by goat anti-mouse IgG-CF488 (blue), Red = unstained cells.



SDS-PAGE analysis of purified, BSA-free SOX12 antibody (clone PCRP-SOX12-1E4) as confirmation of integrity and purity.



Analysis of a HuProt(TM) microarray containing more than 19,000 full-length human proteins using SOX12 antibody (clone PCRP-SOX12-1E4). 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.

Description

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. Sox genes encode putative transcriptional regulators implicated in the decision of cell fates during development and the control of diverse developmental processes. The highly complex group of Sox genes cluster at a minimum of 40 different loci that rapidly diverged in various animal lineages. At present 30 Sox genes have been identified, and members of this family have been shown to be conserved during evolution and to play key roles during animal development. Some are involved in human diseases, including sex reversal.

Application Notes

Optimal dilution of the SOX12 antibody should be determined by the researcher.

Immunogen

A recombinant partial protein sequence (within amino acids 31-110) from the human protein was used as the immunogen for the SOX12 antibody.

Storage

Aliquot the SOX12 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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