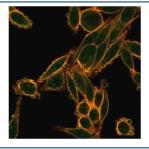


SMAD9 Antibody [clone PCRP-SMAD9-2F4] (V8851)

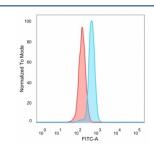
Catalog No.	Formulation	Size
V8851-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8851-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8851SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

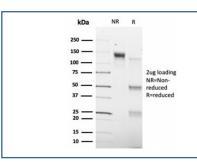
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	PCRP-SMAD9-2F4
Purity	Protein A/G affinity
UniProt	O15198
Localization	Cytoplasm, Nucleus
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This SMAD9 antibody is available for research use only.



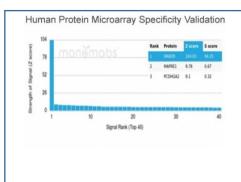
Immunofluorescent staining of PFA-fixed human HeLa cells using SMAD9 antibody (green, clone PCRP-SMAD9-2F4) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with SMAD9 antibody (blue, clone PCRP-SMAD9-2F4) and isotype control (red).



SDS-PAGE analysis of purified, BSA-free SMAD9 antibody (PCRP-SMAD9-2F4) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using SMAD9 antibody (clone PCRP-SMAD9-2F4). These results demonstrate the foremost specificity of the PCRP-SMAD9-2F4 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.

Description

Smad proteins, the mammalian homologs of the Drosophila mothers against dpp (Mad) have been implicated as downstream effectors of TGF-mediated phosphorylation of other Smad family members.

Application Notes

Optimal dilution of the SMAD9 antibody should be determined by the researcher.

Immunogen

Recombinant full-length human SMAD9 protein was used as the immunogen for the SMAD9 antibody.

Storage

Aliquot the SMAD9 antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.