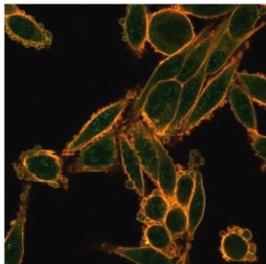


## SMAD9 Antibody [clone PCR-P-SMAD9-2F4] (V8851)

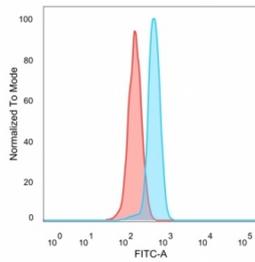
Catalog No.	Formulation	Size
V8851-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V8851-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V8851SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

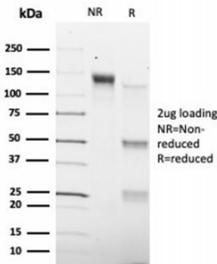
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Host</b>	Mouse
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG1, kappa
<b>Clone Name</b>	PCR-P-SMAD9-2F4
<b>Purity</b>	Protein A/G affinity
<b>UniProt</b>	O15198
<b>Localization</b>	Cytoplasm,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



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

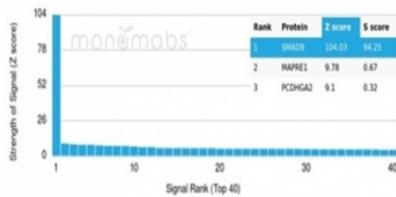


FACS staining of PFA-fixed human HeLa cells with SMAD9 antibody (blue, clone PCRPSMAD9-2F4) and isotype control (red).



SDS-PAGE analysis of purified, BSA-free SMAD9 antibody (PCRPSMAD9-2F4) as confirmation of integrity and purity.

Human Protein Microarray Specificity Validation



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using SMAD9 antibody (clone PCRPSMAD9-2F4). These results demonstrate the foremost specificity of the PCRPSMAD9-2F4 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 -20°C or colder. Avoid repeated freeze-thaw cycles.

