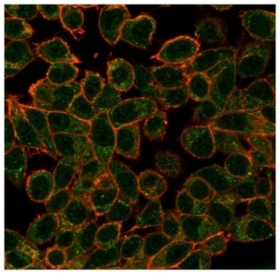
ECD Antibody / SGT1 [clone PCRP-ECD-1D10] (V9605)

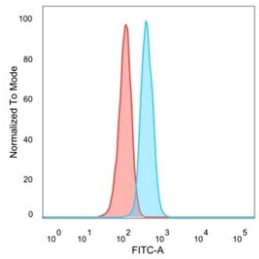
Catalog No.	Formulation	Size
V9605-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9605-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9605SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

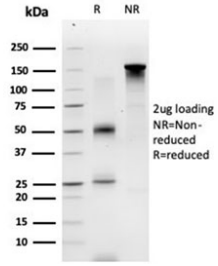
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2b
Clone Name	PCRP-ECD-1D10
Purity	Protein A/G affinity
UniProt	O95905
Localization	Nucleus, Cytoplasm
Applications	Flow Cytometry : 1-2ug/million cells Immunofluorescence : 1-2ug/ml
Limitations	This ECD antibody is available for research use only.



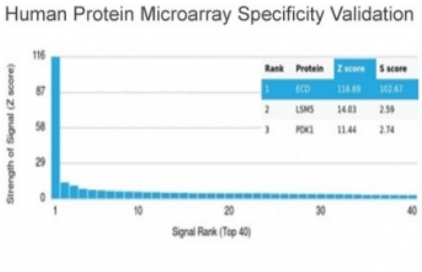
Immunofluorescent staining of PFA-fixed human HeLa cells using ECD antibody (green, clone PCRP-ECD-1D10) and Phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with ECD antibody (blue, clone PCRP-ECD-1D10), and unstained cells (red).



SDS-PAGE analysis of purified, BSA-free ECD antibody (clone PCRP-ECD-1D10) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using ECD antibody (clone PCRP-ECD-1D10). These results demonstrate the foremost specificity of the PCRP-ECD-1D10 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

Inhibits MDM2-mediated degradation of p53/TP53 possibly by cooperating in part with TXNIP. May be involved transcriptional regulation. In vitro has intrinsic transactivation activity enhanced by EP300. May be a transcriptional activator required for the expression of glycolytic genes. Involved in regulation of cell cycle progression. Proposed to disrupt Rb-E2F binding leading to transcriptional activation of E2F proteins. The cell cycle -regulating function may depend on its RUVBL1-mediated association with the R2TP complex. May play a role in regulation of pre-mRNA splicing.

Application Notes

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

Immunogen

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

Storage

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