

Product Datasheet

ECD Antibody / SGT1 (orb2635192)

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.
Species/Host	Mouse
Reactivity	Human
Conjugation	Unconjugated
Tested Applications	FACS, IF
Immunogen	Recombinant full-length human protein was used as the immunogen for the ECD antibody.
Storage	Maintain refrigerated at 2-8°C for up to 2 weeks. For long term storage store at -20°C in small aliquots to prevent freeze-thaw cycles.
Note	For research use only
Application notes	Optimal dilution of the ECD antibody should be determined by the researcher.
Formula	1 mg/ml in 1X PBS; BSA free, sodium azide free
Isotype	Mouse IgG2b
Clonality	Monoclonal
Clone Number	PCRP-ECD-1D10
Antibody Type	Primary Antibody

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Uniprot ID**O95905****Hazard Information**

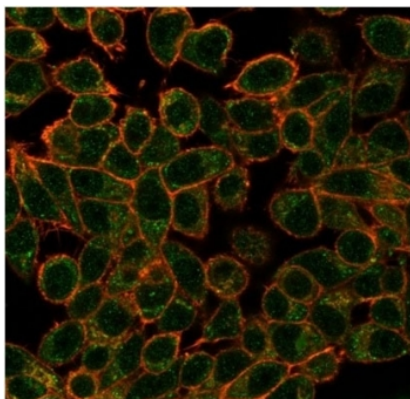
This ECD antibody is available for research use only.

Dilution Range

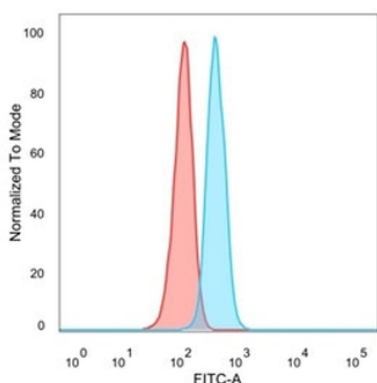
Flow cytometry: 1-2ug/million cells, Immunofluorescence: 1-2ug/ml

Expiration Date

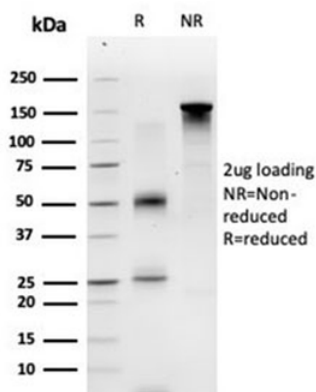
12 months from date of receipt.



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.

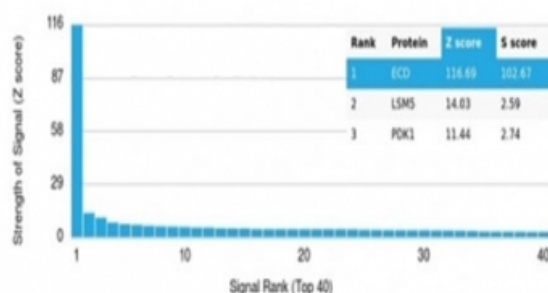
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Human Protein Microarray Specificity Validation



Analysis of HuProt (TM) microarray containing more than 19000 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.

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