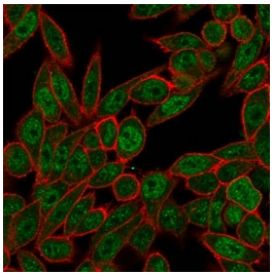
NOC4L Antibody [clone PCRP-NOC4L-1E3] (V9212)

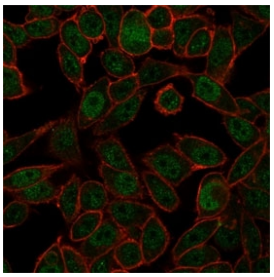
Catalog No.	Formulation	Size
V9212-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 ug
V9212-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	20 ug
V9212SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Bulk quote request

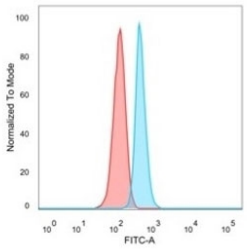
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1
Clone Name	PCRP-NOC4L-1E3
Purity	Protein A/G affinity
UniProt	Q9BVI4
Localization	Nucleus
Applications	Flow cytometry: 1-2ug/million cells Immunofluorescence: 1-2ug/ml
Limitations	This NOC4L antibody is available for research use only.



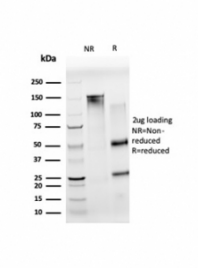
Immunofluorescent staining of PFA-fixed human HeLa cells using NOC4L antibody (green, clone PCRP-NOC4L-1E3) and phalloidin (red).



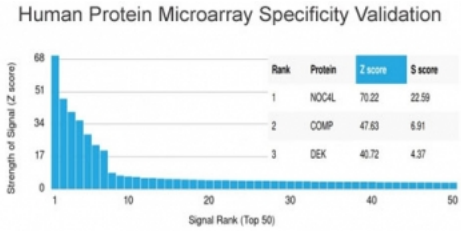
Immunofluorescent staining of PFA-fixed human HeLa cells NOC4L antibody (green, clone PCRP-NOC4L-1E3) and phalloidin (red).



FACS staining of PFA-fixed human HeLa cells with NOC4L antibody (blue, clone PCRP-NOC4L-1E3), and unstained cells (red).



SDS-PAGE analysis of purified, BSA-free NOC4L antibody (clone PCRP-NOC4L-1E3) as confirmation of integrity and purity.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using NOC4L antibody (clone PCRP-NOC4L-1E3). These results demonstrate the foremost specificity of the PCRP-NOC4L-1E3 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

Treg activation is critical for maintaining self-tolerance, but the translational control of this process is still poorly understood. Zhu et al. report a conserved ribosome biogenesis factor, Noc4L, that regulates mRNAs related to Treg and Tconv activation but does not affect global protein translation. Noc4L regulates translation of mRNAs related to Treg activation. Noc4L plays critical roles in activation of Tregs and Tconvs. Noc4L-mediated ribosome biogenesis is critical in controlling the activation of Tregs and maintaining immune tolerance. [Zhu et al., 2019, Cell Reports 27, 1205 1220.]

Application Notes

Optimal dilution of the NOC4L antibody should be determined by the researcher.

Immunogen

Recombinant full-length human NOC4L protein was used as the immunogen for the NOC4L antibody.

Storage

Aliquot the NOC4L antibody and store frozen at -20oC or colder. Avoid repeated freeze-thaw cycles.

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