

Nucleolar complex-associated protein 4-like protein (NOC4L) Antibody

Mouse Monoclonal Antibody [Clone PCRP-NOC4L-1E3]

Catalog No	Format	Size
79050-MSM3-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
79050-MSM3-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
79050-MSM3-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

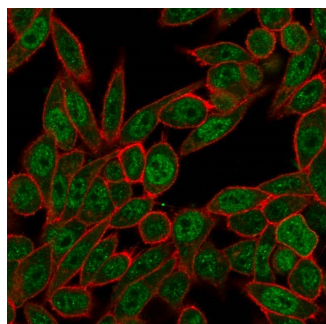
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	

Product Details

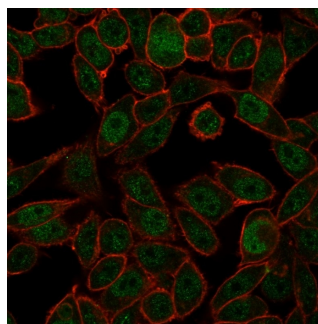
Clone	PCRP-NOC4L-1E3
Gene Name	NOC4L
Immunogen	Recombinant full-length human NOC4L protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG1
Mol. Weight of Antigen	58.4kDa
Cellular Localization	Nucleolus, Nucleus, Nucleus membrane
Species Reactivity	Human
Positive Control	HeLa or 293T cells.

**Optimal dilution for a specific application should be determined.*

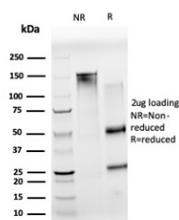
Product Images for Nucleolar complex-associated protein 4-like protein (NOC4L) Antibody



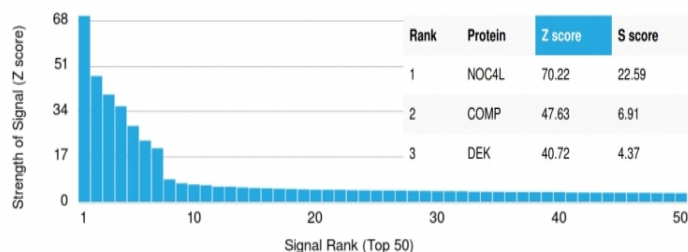
Immunofluorescence Analysis of PFA-fixed HeLa cells. NOC4L Mouse Monoclonal Antibody (PCRP-NOC4L-1E3) followed by goat anti-mouse IgG-CF488 (green); phalloidin counterstain (red).



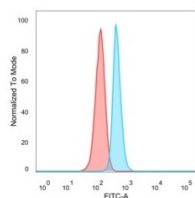
Immunofluorescence Analysis of PFA-fixed HeLa cells. NOC4L Mouse Monoclonal Antibody (PCRP-NOC4L-1E3) followed by goat anti-mouse IgG-CF488 (green); phalloidin counterstain (red).



SDS-PAGE Analysis Purified NOC4L Mouse Monoclonal Antibody (PCRP-NOC4L-1E3). Confirmation of Purity and Integrity of Antibody.



Analysis of Protein Array containing more than 19,000 full-length human proteins using NOC4L Mouse Monoclonal Antibody (PCRP-NOC4L-1E3). Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProtTM array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProtTM are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Flow Cytometric Analysis of PFA-fixed HeLa cells. NOC4L Mouse Monoclonal Antibody (PCRP-NOC4L-1E3) followed by goat anti-mouse IgG-CF488 (blue); unstained cells (red).

Specificity & Comments

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.]

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8 °C. Antibody without azide - store at -20 to -80 °C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.