

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

Mouse Monoclonal Antibody [Clone PCR-P-NOC4L-1B2]

| Catalog No | Format | Size |
|------------------|---|--------|
| 79050-MSM1-P0 | Purified Ab with BSA and Azide at 200ug/ml | 20 ug |
| 79050-MSM1-P1 | Purified Ab with BSA and Azide at 200ug/ml | 100 ug |
| 79050-MSM1-P1ABX | Purified Ab WITHOUT BSA and Azide at 1.0mg/ml | 100 ug |

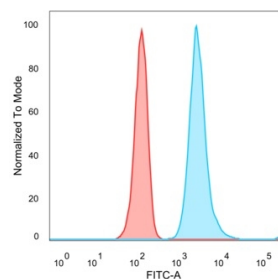
| Applications | Tested Dillution | Note |
|-------------------------|---------------------|------|
| Flow Cytometry (Flow) | 1-2ug/million cells | |
| Immunofluorescence (IF) | 1-3ug/ml | |

Product Details

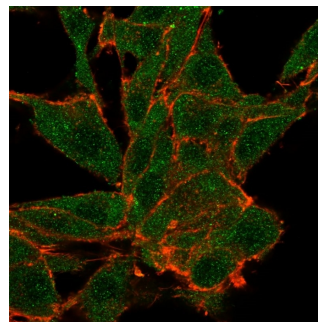
| | |
|-------------------------------|---|
| Clone | PCR-P-NOC4L-1B2 |
| Gene Name | NOC4L |
| Immunogen | Recombinant full-length human NOC4L protein |
| Host | Mouse |
| Clonality | Monoclonal |
| Isotype / Light Chain | IgG1 |
| Mol. Weight of Antigen | 58.4kDa |
| Cellular Localization | Nucleolus, Nucleus, Nucleus membrane |
| Species Reactivity | Human |
| Positive Control | HeLa or 293T cells. |

*Optimal dilution for a specific application should be determined.

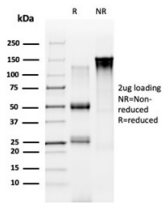
Product Images for Nucleolar complex-associated protein 4-like protein (NOC4L) Antibody



Immunofluorescence Analysis of PFA-fixed HeLa cells. NOC4L Mouse Monoclonal Antibody (PCR-P-NOC4L-1B2) followed by goat anti-mouse IgG-CF488 (blue); isotype control (red).



Immunofluorescence Analysis of PFA-fixed HeLa cells. NOC4L Mouse Monoclonal Antibody (PCR-P-NOC4L-1B2) followed by goat anti-mouse IgG-CF488 (green); phalloidin (red).



SDS-PAGE Analysis of Purified NOC4L Mouse Monoclonal Antibody (PCRP-NOC4L-1B2). Confirmation of Integrity and Purity of Antibody.

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.