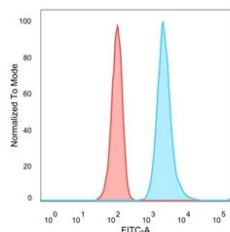


## NOC4L Antibody [clone PCRP-NOC4L-1B2] (V9358)

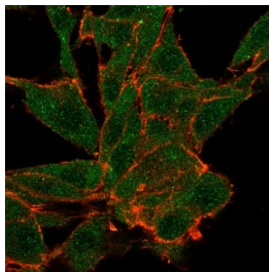
| Catalog No.    | Formulation   | Size   |
|----------------|---|--------|
| V9358-100UG    | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 ug |
| V9358-20UG     | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 20 ug  |
| V9358SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free                          | 100 ug |

[Bulk quote request](#)

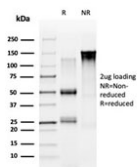
|                           |   |
|---------------------------|---|
| <b>Availability</b>       | 1-3 business days   |
| <b>Species Reactivity</b> | Human   |
| <b>Format</b>             | Purified  |
| <b>Host</b>               | Mouse   |
| <b>Clonality</b>          | Monoclonal (mouse origin)   |
| <b>Isotype</b>            | Mouse IgG1  |
| <b>Clone Name</b>         | PCRP-NOC4L-1B2  |
| <b>Purity</b>             | Protein A/G affinity  |
| <b>UniProt</b>            | Q9BVI4  |
| <b>Localization</b>       | Nucleus   |
| <b>Applications</b>       | Flow Cytometry : 1-2ug/million cells<br>Immunofluorescence : 1-2ug/ml |
| <b>Limitations</b>        | This NOC4L antibody is available for research use only.               |



FACS staining of PFA-fixed human HeLa cells using NOC4L antibody (blue, clone PCRP-NOC4L-1B2) and isotype control (red).



Immunofluorescent staining of PFA-fixed human HeLa cells NOC4L antibody (green, clone PCRP-NOC4L-1B2) and phalloidin (red).



SDS-PAGE analysis of purified, BSA-free NOC4L antibody (clone PCRP-NOC4L-1B2) as confirmation of integrity and purity.

## 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.