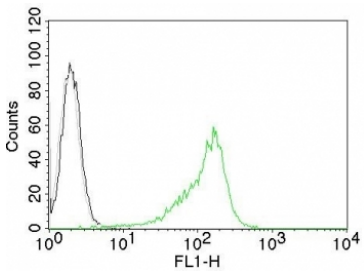
# Nucleolin Antibody [clone NCL/902] (V2755CF488)

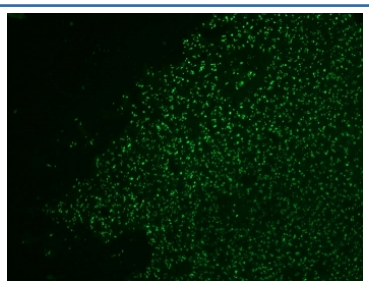
| Catalog No. | Formulation | Size |
|---|---|---|
| V2755CF488-100T | 500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide | 100 Tests |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | CF488 Conjugate |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | NCL/902 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P19338 |
| **Localization** | Nuclear |
| **Applications** | Flow Cytometry : 5ul per test per one 10^6 cells in 0.1ml or 5ul per 100ul of whole blood<br>Immunofluorescence : 1-2ug/ml |
| **Limitations** | This Nucleolin antibody is available for research use only. |




Flow cytometry testing of human 293T cells with Nucleolin antibody (clone NCL/902); Red=isotype control, Blue= Nucleolin antibody.



Immunofluorescent staining of human colon carcinoma with Nucleolin antibody (clone NCL/902, green).

## Description

Recognizes a protein of ~76kDa, which is identified as Nucleolin (NCL). It is the major nucleolar phosphoprotein of growing eukaryotic cells. NCL is located mainly in dense fibrillar regions of the nucleolus. It is found associated with intranucleolar chromatin and pre-ribosomal particles. Human NCL gene consists of 14 exons with 13 introns and spans approximately 11kb. It induces chromatin decondensation by binding to histone H1. It is thought to play a role in pre-rRNA transcription and ribosome assembly.This MAb can be used to stain the nucleoli in cell or tissue preparations and can be used as a marker of the nucleoli in subcellular fractions. It produces a speckled pattern in the nuclei of cells of normal and malignant cells and may be used to stain the nucleoli of cells in fixed or frozen tissue sections. It can be used with paraformaldehyde fixed frozen tissue or cell preparations and formalin fixed, paraffin-embedded tissue sections.

## Application Notes

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

## Storage

Store the Nucleolin antibody at 2-8oC, protected from light.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