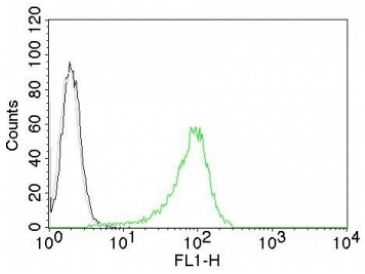
Human Nuclear Antigen Antibody CF488 Conjugate [clone 235-1] (V2345CF488)

Catalog No.	Formulation	Size
V2345CF488-100T	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
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG1, kappa
Clone Name	235-1
Purity	Protein G affinity chromatography
Localization	Nuclear
Applications	Flow cytometry: 5ul per test per one 10^6 cells in 0.1ml or 5ul per 100ul of whole blood Immunofluorescence: 1-2ug/ml
Limitations	This Human Nuclear Antigen Antibody CF488 Conjugate is available for research use only.



Human Nuclear Antigen Antibody CF488 Conjugate FACS. Intracellular flow cytometry testing of human 293T cells with Human Nuclear Antigen antibody; Black=cells alone, Gray=isotype control, Green= Human Nuclear Antigen antibody.

Description

Human Nuclear Antigen antibody CF488 conjugate clone 235-1 combines the nuclear specificity of clone 235-1 with direct labeling to CF488, a bright green fluorophore known for excellent stability and photostability. This conjugated format enables direct visualization of nuclei in fluorescence-based experiments without requiring secondary antibodies. NSJ Bioreagents supplies this CF488 conjugated antibody for efficient nuclear detection in imaging and multicolor studies.

Human Nuclear Antigen antibody CF488 conjugate clone 235-1 provides clear green nuclear signals, making it especially useful in multiplex assays where other markers are labeled with different fluorophores. It has been employed to identify tumor cells in oncology research, where nuclear labeling helps distinguish malignant cells from stromal components and track tumor burden.

In cell biology, the CF488 conjugate is useful for live or fixed cell imaging studies where strong and stable fluorescence is required. Researchers studying stem cell differentiation, tissue organization, or cell migration benefit from the ability to clearly visualize nuclei alongside other markers.

In developmental and regenerative research, Human Nuclear Antigen antibody CF488 conjugate clone 235-1 highlights nuclear distribution, supporting studies into tissue architecture and lineage specification. Its bright signal ensures accurate imaging of nuclei even in dense or complex tissue sections.

The technical advantages of the CF488 fluorophore include high brightness, resistance to photobleaching, and compatibility with standard filter sets. Direct conjugation streamlines experiments by reducing steps and background noise. Alternate names include nuclear marker antibody CF488 conjugate, nuclear protein antibody CF488, and nuclear localization antibody CF488.

MAb 235-1 recognizes an antigen associated with the nuclei in human cells. It can be used to stain the nuclei in cell or tissue preparations and can be used as a nuclear marker in subcellular fractions. It produces a speckled pattern in normal and malignant cells.

Explore our Nuclear Antigen Antibody / Pan-Nuclear Marker Antibody page for additional validation data and applications involving nuclear visualization, tissue architecture assessment, and pan-nuclear cell identification.

Application Notes

Optimal dilution of the Human Nuclear Antigen Antibody CF488 Conjugate should be determined by the researcher.

Immunogen

Nuclei of human myeloid leukemia biopsy cells were used as the immunogen for this Nuclear Antigen antibody.

Storage

Store the Human Nuclear Antigen Antibody CF488 Conjugate at 2-8oC, protected from light.

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