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Datasheet for 909-301-D99

Nuclei Antibody

Overview

Description:	Anti-Nuclei (MOUSE) Antibody - 909-301-D99
Item No.:	909-301-D99
Size:	100 µL
Applications:	IHC
Reactivity:	Human
Host Species:	Mouse

Product Details

Background:	Anti-Nuclei Antibody detects nuclei proteins. This antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells, including neurons and embryonic stem cells, with no reactivity to rat or mouse cells.
Synonyms:	mouse anti-Nuclei Antibody, HuNu, marker for human cells in xenographic research
Host Species:	Mouse
Clonality:	Monoclonal
Clone ID:	235-1
Format:	IgG

Target Details

Gene Name:	marker for human cells in xenographic research
Reactivity:	Human
Immunogen Type:	Native Protein
Immunogen:	Anti-Nuclei Antibody (Monoclonal) was produced by repeated immunizations with human cell homogenate.

Purity/Specificity:	Anti-Nuclei antibody is directed against nuclei proteins. This monoclonal antibody is supplied as a concentrated cell culture supernatant. This antibody stains nuclei of all human cell types giving a diffuse nuclear staining pattern. Chromosomes are negatively stained in metaphase cells. By immunoprecipitation, the antibody reacts with an 80 kDa and 70 kDa band. Anti-Nuclei antibody works on acetone fixed and paraformaldehyde fixed cells. It is suggested that you permeabilize the cells with 0.1-0.4% Triton X100. This antibody also works for immunohistochemistry on paraformaldehyde fixed cryostat sections. Anti-Nuclei Antibody is ideal for investigators involved in Cell Cycle, Cancer, and Neuroscience Research.

Application Details

Tested Applications:	IHC
Application Note:	Anti-Nuclei (Mouse) antibody is tested for use in IHC-P and IF. Specific conditions for reactivity should be optimized by the end user. This antibody is directed against human nuclei.
Assay Dilutions:	All assays should be optimized by the user. Recommended dilutions (if any) may be listed below.
IF:	1:100
IHC:	1:100

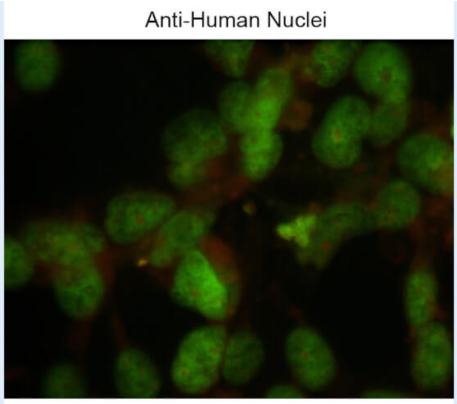
Formulation

Physical State:	Liquid
Concentration:	titrated reagent

Shipping & Handling

Shipping Condition:	Dry Ice
Storage Condition:	Store vial at -20° C prior to opening. This product is stable at 4° C as an undiluted liquid. For extended storage, aliquot contents and freeze at -20° C or below. Avoid cycles of freezing and thawing. Dilute only prior to immediate use.
Expiration:	Expiration date is one (1) year from date of receipt.

Images



Immunostaining of HeLa cells showing specific labeling of their nuclei using our anti-nuclei antibody.

Immunocytochemistry
Immunofluorescence Microscopy of Mouse anti-Nuclei antibody. Tissue: HeLa cells. Fixation: 0.5% PFA Antigen retrieval: not required. Primary antibody: Nuclei antibody at 1:100 for 1 h at RT. Secondary antibody: Fluorescein mouse secondary antibody at 1:10,000 for 45 min at RT. Localization: Nuclei is nuclear. Staining: Nuclei as green fluorescent signal.

References

- Viveiros M et al. Nanoskin Bacterial Cellulose as a Scaffold for De-epithelialized Corneal Surface Healing. *J Ophthalmic Vis Res.* (2026)

Disclaimer

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