

Anti-Nuclei Antibody

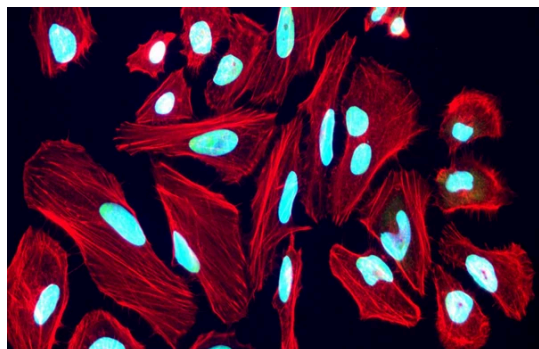


Product Details

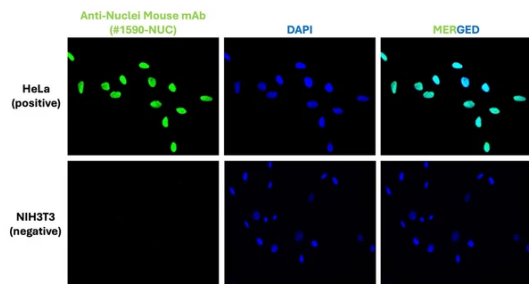
Available Variants	100 µL (SKU:1590-NUC) 25 µL (SKU:1590-NUCt)
Conjugate	Unconjugated
Isotype	IgG1
Clone	235-1
Gene Name	Marker for human cells in xenographic research
Host Species	Mouse
Format	Purified by Protein A Chromatography
Physical State	Liquid
Buffer	1X PBS, 0.05% Sodium Azide pH 7.4
Production Notes	Produced by in vitro bioreactor culture of hybridoma line followed by Protein A affinity chromatography. Purified mAbs are >90% specific antibody.
Applications	ELISA, ICC, IHC
Dilution Ranges	IHC: 1:100 ICC: 1:100
Species Reactivity	Human
Immunogen	Human cell homogenate.
Specificity	Specific for endogenous levels of human nuclear staining pattern. Chromosomes are negatively stained in metaphase cells. With immunoprecipitation, the antibody reacts with a ~80 kDa and ~70 kDa band. The antibody works on acetone fixed and paraformaldehyde fixed cells. It is suggested that you permeabilize the cells with 0.1-0.4% Triton X100. The antibody also works for immunohistochemistry on paraformaldehyde fixed cryostat sections.

Quality Control	Immunofluorescence performed on each lot.
Storage	Recommended that the undiluted antibody be aliquoted into smaller working volumes (10-30 μ L/vial depending on usage) upon arrival and stored long term at -20° C or -80° C, while keeping a working aliquot stored at 4° C for short term. Avoid freeze/thaw cycles. Stable for at least 1 year.
Antibody Registry ID	AB_2492189
Shipping	Blue Ice
Expiration	After date of receipt, stable for at least 1 year at -20°C.
Usage Statement	For research use only. Not intended for therapeutic or diagnostic use. Use of all products is subject to our terms and conditions, which can be viewed on our website.

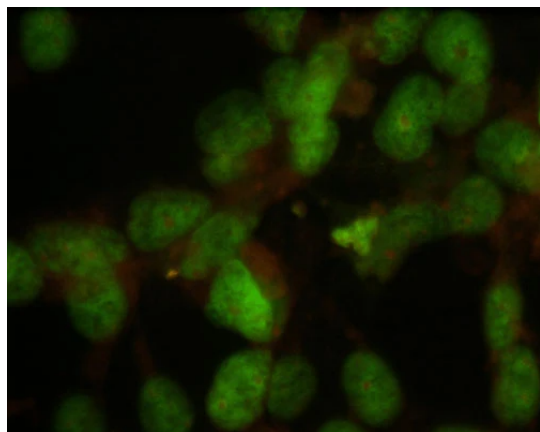
Product Images



Immunofluorescent staining for detection of nuclei in HeLa cells using PhosphoSolutions anti-Nuclei (human-specific) mouse monoclonal antibody (Cat No. 1590-NUC). The cells were fixed with 3% paraformaldehyde, washed with PBS, and blocked/permeabilized with 5% non-fat milk powder in PBST. The anti-Nuclei antibody (Cat No. 1590-NUC) was incubated with the sample at a dilution of 1:1000 (1 μ g/mL) at 4°C overnight. After washing with PBST, the cells were stained using goat anti-mouse Alexa Fluor 488 (green). Actin filaments were stained using Phalloidin (red). The cells were mounted with Antibodies Incorporated Fluoroshield with DAPI mounting medium (Cat No. AR-6501). DAPI nuclear stain (blue) shows cell nuclei. The staining revealed a complete overlap between the signal from the mouse anti-Nuclei antibody and DAPI nuclear stain. Magnification 400X.



Immunofluorescent staining of HeLa and NIH3T3 cells using PhosphoSolutions anti-Nuclei (human specific) mouse monoclonal antibody [235-1](Cat No. 1590-NUC). The cells were fixed with 3% paraformaldehyde, washed with PBS, and blocked/permeabilized with 5% non-fat milk powder in PBST. The anti-Nuclei antibody (Cat No. 1590-NUC) was incubated with the sample at a dilution of 1:1000 (1 μ g/mL) at 4°C overnight. After washing with PBST, the cells were stained using goat anti-mouse Alexa Fluor 488 (green). The cells were mounted with Antibodies Incorporated Fluoroshield with DAPI mounting medium (Cat No. AR-6501). DAPI nuclear stain (blue) shows cell nuclei. The staining revealed a complete overlap between the signal from the mouse anti-Nuclei antibody and DAPI nuclear stain in HeLa cells, with no staining observed in mouse NIH3T3 cells. Magnification 400X.



Immunostaining of HeLa cells showing specific labeling of nuclei using the anti-nuclei antibody (Cat. 1590-NUC, 1:100, green).

Product Page URL: www.antibodiesinc.com/products/anti-nuclei-antibody-1590-nuc



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