abcam

ab191181

Anti-Human Nuclear Antigen antibody [235-1]

Anti-Human Nuclear Antigen antibody [235-1] (ab191181) is a mouse monoclonal antibody detecting Human Nuclear Antigen in **Flow Cytometry, IHC-Fr, ICC/IF**. Suitable for **Human,**.

- Over 50 publications

Key facts

Isotype	IgG1
Host species	Mouse
Storage buffer	pH: 7.2 - 7.4 Preservative: 0.05% Sodium azide Constituents: PBS, 0.05% BSA
Form	Liquid
Clonality	Monoclonal
Immunogen	Nuclei of Human myeloid leukemia biopsy cells.
Clone number	235-1
Purification technique	Affinity purification Protein A
Specificity	ab191181 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 and may be used to stain the nuclei of cells in frozen tissue sections. **Compared with formalin/PFA-fixed, we recommend to fix frozen sections in cold acetone.**
Light chain type	kappa
Concentration	1 mg/mL The concentration of this product may be batch-dependent Batch concentration finder →

Reactivity data

Flow Cyt

Tested

Species	Human
Dilution info	1-2 µg for 10^6 Cells
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Expected

Species	Primates
Dilution info	1-2 µg for 10^6 Cells
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Not recommended

Species	Mouse
Dilution info	-
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Species	Rat
Dilution info	-
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

Species	Chicken
Dilution info	-
Notes	ab170190 - Mouse monoclonal IgG1, is suitable for use as an isotype control with this antibody.

ICC/IF

Tested

Species	Human
Dilution info	1-2 µg/mL

Notes	-

Expected

Species	Primates
Dilution info	1-2 µg/mL
Notes	-

Not recommended

Species	Mouse, Rat, Chicken
Dilution info	-
Notes	-

IHC-Fr

Tested

Species	Human
Dilution info	0.5-1 µg/mL
Notes	-

Expected

Species	Primates
Dilution info	0.5-1 µg/mL
Notes	-

Not recommended

Species	Mouse, Rat, Chicken
Dilution info	-
Notes	-

Target data

See full target information Human Nuclear Antigen

Storage

Shipped at conditions	Blue Ice
Appropriate short-term storage duration	1-2 weeks
Appropriate short-term storage conditions	+4°C
Appropriate long-term storage conditions	-20°C
Aliquoting information	Upon delivery aliquot
Storage information	Avoid freeze / thaw cycle

Notes

Anti-Human Nuclear Antigen antibody [235-1] (ab191181) is a House Mouse Monoclonal antibody and is validated for use in Flow Cyt, ICC/IF, IHC-Fr in human samples.

Anti-Human Nuclear Antigen antibody [235-1] (ab191181) has been cited over 53 times in peer reviewed journals and is trusted by the scientific community.

Abcams high quality validation processes ensure Anti-Human Nuclear Antigen antibody [235-1] (ab191181) has high sensitivity and specificity.

Anti-Human Nuclear Antigen antibody [235-1] (ab191181) specifically detects Human Nuclear Antigen and is sold in 100 uL selling sizes.

Conjugation-ready, carrier free format available for antibody clone 235-1 - ab216943.

Antibody clone 235-1 is also available pre-conjugated to a variety of labels for your convenience - PE (ab215755).

ab190710 is recommended for IHC-P with paraffin embedded sections.

Product promise

Tested

We have tested this species and application combination and it works. It is covered by our product promise.

Expected

We have not tested this specific species and application combination in-house, but expect it will work. It is covered by our product promise.

Predicted

This species and application combination has not been tested, but we predict it will work based on strong homology. However, this combination is not covered by our product promise.

Not recommended

We do not recommend this combination. It is not covered by our product promise.

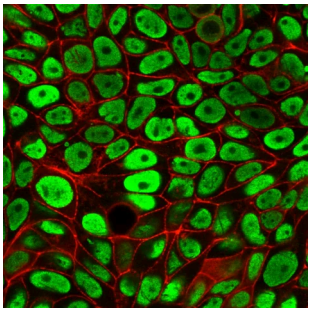
We are dedicated to supporting your work with high quality reagents and we are here for you every step of the way should you need us.

In the unlikely event of one of our products not working as expected, you are covered by our product promise.

Full details and terms and conditions can be found here:
Terms & Conditions.

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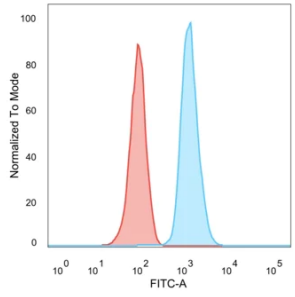
9 product images



Immunocytochemistry/ Immunofluorescence - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Human Nuclear Antigen Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Human Nuclear Antigen antibody

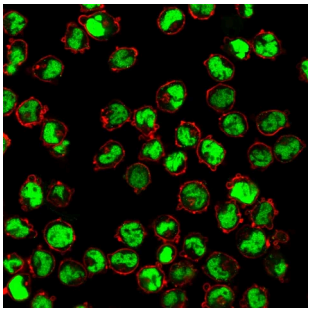
PFA-fixed MCF-7 (human breast adenocarcinoma cell line) cells stained for Human Nuclear Antigen using ab191181 at 2 ug/ml in ICC.



Flow Cytometry - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Human Nuclear Antigen Flow Cytometry staining using mouse Anti-Human Nuclear Antigen antibody

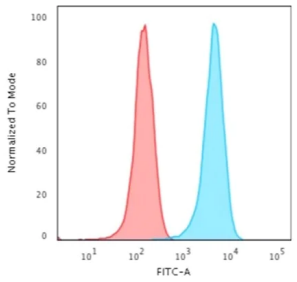
Flow Cytometric analysis of paraformaldehyde-fixed Raji (human Burkitt's lymphoma cell line) cells staining Human Nuclear Antigen using ab191181 at 2 ug/million cells, followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Immunocytochemistry/ Immunofluorescence - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Human Nuclear Antigen Immunocytochemistry/ Immunofluorescence staining using mouse Anti-Human Nuclear Antigen antibody

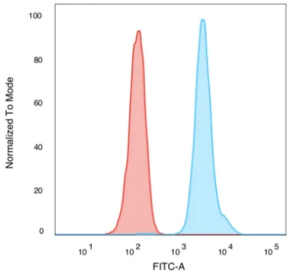
PFA-fixed K562 (human chronic myelogenous leukemia cell line from bone marrow) cells stained for Human Nuclear Antigen using ab191181 at 2 ug/ml in ICC.



Flow Cytometry - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Human Nuclear Antigen Flow Cytometry staining using mouse Anti-Human Nuclear Antigen antibody

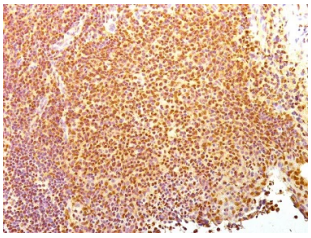
Flow Cytometric analysis of paraformaldehyde-fixed HeLa (human lymphoblastic leukemia cell line) cells staining Human Nuclear Antigen using ab191181 at 2 ug/million cells, followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Flow Cytometry - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Human Nuclear Antigen Flow Cytometry staining using mouse Anti-Human Nuclear Antigen antibody

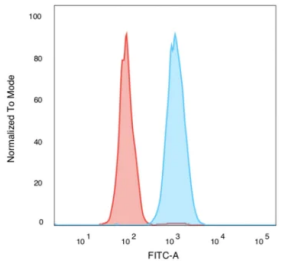
Flow Cytometric analysis of paraformaldehyde-fixed K562 (human chronic myelogenous leukemia cell line from bone marrow) cells staining Human Nuclear Antigen using ab191181 at 2 ug/million cells, followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Immunohistochemistry (Frozen sections) - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Human Nuclear Antigen Immunohistochemistry (Frozen sections) staining using mouse Anti-Human Nuclear Antigen antibody

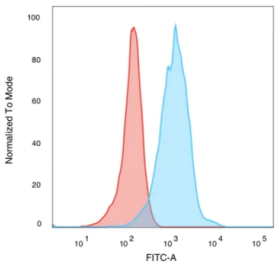
Cold acetone-fixed frozen human tonsil tissue stained for Human Nuclear Antigen with ab191181 at 0.5 µg/ml (30 mins, RT) in immunohistochemical analysis. Visualised using a HRP-Polymer detection system.



Flow Cytometry - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Human Nuclear Antigen Flow Cytometry staining using mouse Anti-Human Nuclear Antigen antibody

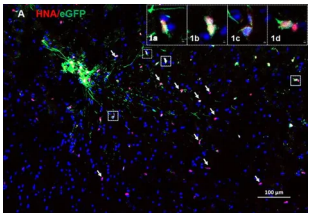
Flow Cytometric analysis of paraformaldehyde-fixed MCF-7 (human breast adenocarcinoma cell line) cells staining Human Nuclear Antigen using ab191181 at 2 ug/million cells, followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Flow Cytometry - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Human Nuclear Antigen Flow Cytometry staining using mouse Anti-Human Nuclear Antigen antibody

Flow Cytometric analysis of paraformaldehyde-fixed Jurkat (human T cell leukemia cell line from peripheral blood) cells staining Human Nuclear Antigen using ab191181 at 2 ug/million cells, followed by goat anti-Mouse IgG-CF488 (Blue); Isotype control (Red).



Rockne et al PLoS One. 2018 Aug 2;13(8):e0199967. doi: 10.1371/journal.pone.0199967. eCollection 2018. Fig 1. Reproduced under the Creative Commons license http://creativecommons.org/licenses/by/4.0/

Immunohistochemistry (Frozen sections) - Anti-Human Nuclear Antigen antibody [235-1] (ab191181)

Characterization of LM-NSC008 cells.
Visualization of LM-NSC008 cells in naïve non-tumor bearing mouse brain 6 and 9 months post administration. **(A)** Immunohistochemistry (IHC) staining of LM-NSC008 cells (stably expressing eGFP/Ffluc) with anti-HNA antibodies (NSC injection site, white arrows indicate the LM-NSC008 cells, scale bar 100 µm). **(1a-1d)** Insets show LM-NSC008 cells co-expressing HNA and eGFP proteins (inset scale bars [1a-1f] 2 µm).

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