

Product Datasheet

Nuclear Antigen Antibody (235-1) - Azide and BSA Free NBP2-34525-0.1mg

Unit Size: 0.1 mg

Store at -20 to -80C. Avoid freeze-thaw cycles.

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NBP2-34525-0.1mg

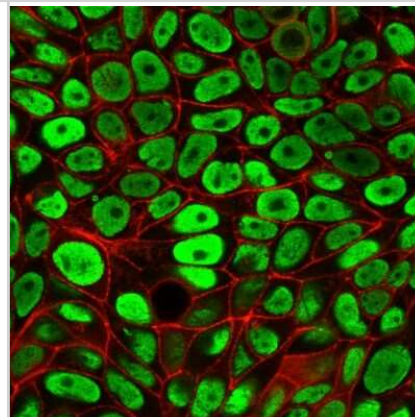
Nuclear Antigen Antibody (235-1) - Azide and BSA Free

| Product Information | |
|-----------------------------|--|
| Unit Size | 0.1 mg |
| Concentration | 1.0 mg/ml |
| Storage | Store at -20 to -80C. Avoid freeze-thaw cycles. |
| Clonality | Monoclonal |
| Clone | 235-1 |
| Preservative | No Preservative |
| Isotype | IgG1 Kappa |
| Purity | Protein A or G purified |
| Buffer | 10 mM PBS |
| Product Description | |
| Description | 1.0 mg/ml of antibody purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS WITHOUT BSA & azide. Also available at 200 ug/ml WITH BSA & azide (NBP2-34342). Antibody with azide - store at 2 to 8C. Antibody without azide - store at -20 to -80 C. |
| Host | Mouse |
| Species | Human, Porcine, Primate |
| Reactivity Notes | Use in Porcine reported in scientific literature (PMID:35327471). Does not react with Mouse, Rat and Chicken. |
| Marker | Human Cell Marker |
| Specificity/Sensitivity | This monoclonal antibody is an excellent marker for human cells in xenographic model research. It reacts specifically with human cells. It is a part of a new panel of reagents, which recognizes subcellular organelles or compartments of human cells. These markers may be useful in identification of these organelles in cells, tissues, and biochemical preparations. monoclonal antibody 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 and may be used to stain the nuclei of cells in fixed or frozen tissue sections. It can also be used with paraformaldehyde fixed frozen tissue or cell preparations. |
| Immunogen | Nuclei of human myeloid leukemia biopsy cells |
| Product Application Details | |
| Applications | Flow Cytometry, Flow (Intracellular), Immunocytochemistry/ Immunofluorescence, Immunohistochemistry, Immunohistochemistry-Frozen, Immunoprecipitation, CyTOF-ready |
| Recommended Dilutions | Flow Cytometry 0.5-1 ug/million cells, Immunohistochemistry, Immunocytochemistry/ Immunofluorescence 0.5-1.0ug/ml, Immunoprecipitation 0.5-1ug/500ug protein lysate, Immunohistochemistry-Frozen 0.5-1.0 ug/ml, Flow (Intracellular), CyTOF-ready |
| Application Notes | Immunocytochemistry (Acetone-fixed cells): 1-2ug/ml for 30 minutes at RT. Immunohistochemistry (Frozen): 1-2ug/ml for 30 minutes at RT. Optimal dilution for a specific application should be determined. This antibody is not recommended for use with formalin fixed tissues. |

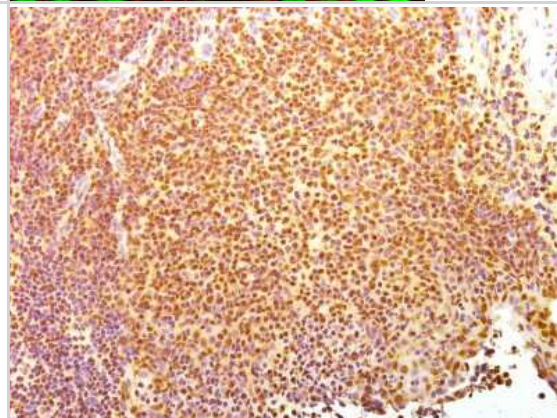


Images

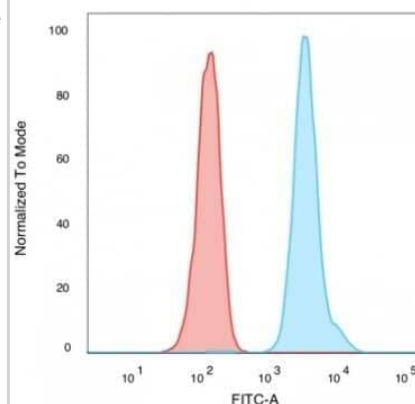
Immunocytochemistry/Immunofluorescence: Nuclear Antigen Antibody (235-1) - Azide and BSA Free [NBP2-34525] - Immunofluorescent staining of PFA-fixed MCF-7 cells with Nuclear Antigen Mouse Monoclonal Antibody (235-1) followed by goat anti-Mouse IgG-CF488 (Green). Counterstained with Phalloidin (red).



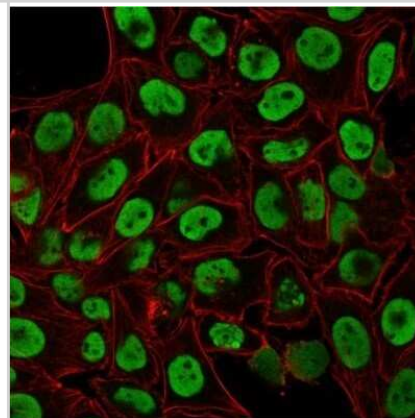
Immunohistochemistry-Frozen: Nuclear Antigen Antibody (235-1) - Azide and BSA Free [NBP2-34525] - Acetone-fixed frozen human Tonsil stained with Nuclear Antigen Antibody using HRP-DAB detection.



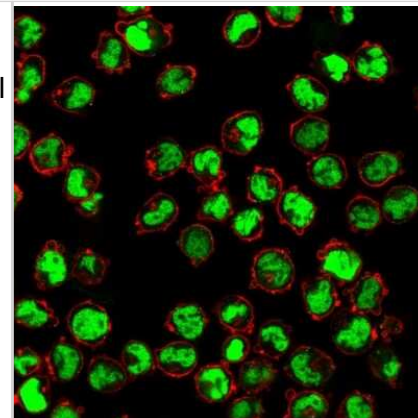
Flow Cytometry: Nuclear Antigen Antibody (235-1) - Azide and BSA Free [NBP2-34525] - Flow Cytometric Analysis of PFA-fixed K562 cells with Nuclear Antigen Mouse Monoclonal Antibody (235-1) followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



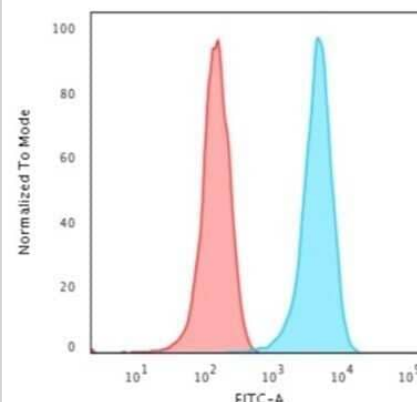
Immunocytochemistry/Immunofluorescence: Nuclear Antigen Antibody (235-1) - Azide and BSA Free [NBP2-34525] - Immunofluorescent staining of paraformaldehyde-fixed HeLa cells with Nuclear Antigen Antibody followed by goat anti-Mouse IgG-CF488 (Green). Counterstained with Phalloidin (red).



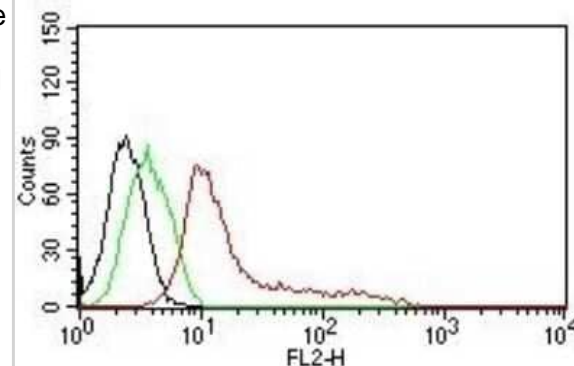
Immunocytochemistry/Immunofluorescence: Nuclear Antigen Antibody (235-1) - Azide and BSA Free [NBP2-34525] - Immunofluorescent staining of PFA-fixed K562 cells with Nuclear Antigen Mouse Monoclonal Antibody (235-1) followed by goat anti-Mouse IgG-CF488 (Green). Counterstained with Phalloidin (red).



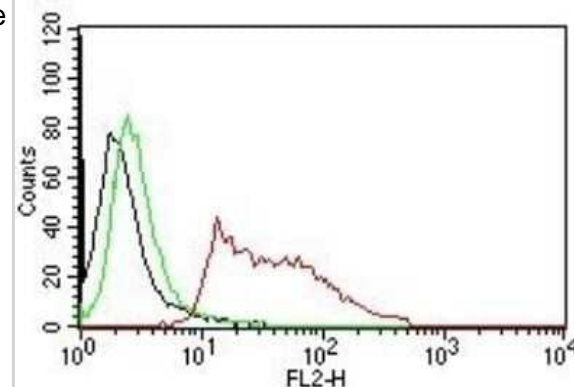
Flow Cytometry: Nuclear Antigen Antibody (235-1) - Azide and BSA Free [NBP2-34525] - Flow Cytometric Analysis of paraformaldehyde-fixed HeLa cells with Nuclear Antigen Antibody followed by goat anti-Mouse IgG-CF488 (Blue); Isotype Control (Red).



Flow Cytometry: Nuclear Antigen Antibody (235-1) - Azide and BSA Free [NBP2-34525] - Flow Cytometric analysis of Human Nuclear Antigen on MCF-7 cells. Black: cells alone; Green: Isotype Control; Red: PE-labeled Nuclear Antigen Monoclonal Antibody (235-1).



Flow Cytometry: Nuclear Antigen Antibody (235-1) - Azide and BSA Free [NBP2-34525] - Flow Cytometric analysis of Human Nuclear Antigen on HeLa cells. Black: cells alone; Green: Isotype Control; Red: PE-labeled Nuclear Antigen Monoclonal Antibody (235-1).



Publications

Martyn I, Kanno TY, Brivanlou AH, Chick Models and Human-Chick Organizer Grafts Methods Mol Chick Models and Human-Chick Organizer Grafts. Methods Mol Biol. 2019-01-01 [PMID: 31175647]

Details:

Citation using the Azide and BSA Free version of this antibody.

Martyn I, Kanno TY, Ruzo A et al. Self-organization of a human organizer by combined Wnt and Nodal signalling Nature . Nature 2018-05-23 [PMID: 29795348] (ICC/IF, Human)

Details:

This citation used the Azide and BSA Free version of this antibody.





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Products Related to NBP2-34525-0.1mg

| | |
|------------------|---|
| HAF007 | Goat anti-Mouse IgG Secondary Antibody [HRP] |
| NB720-B | Rabbit anti-Mouse IgG (H+L) Secondary Antibody [Biotin] |
| NBP1-43319-0.5mg | Mouse IgG1 Kappa Isotype Control (P3.6.2.8.1) |

Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Primary Antibodies are guaranteed for 1 year from date of receipt.

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