

Product Datasheet

DNA Antibody (121-3) [mFluor Violet 450 SE] NBP2-78054MFV450

Unit Size: 0.1 ml

Store at 4C in the dark.

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NBP2-78054MFV450

DNA Antibody (121-3) [mFluor Violet 450 SE]

Product Information	
Unit Size	0.1 ml
Concentration	Please see the vial label for concentration. If unlisted please contact technical services.
Storage	Store at 4C in the dark.
Clonality	Monoclonal
Clone	121-3
Preservative	0.05% Sodium Azide
Isotype	IgG3 Kappa
Conjugate	mFluor Violet 450 SE
Purity	Protein G purified
Buffer	50mM Sodium Borate
Product Description	
Host	Mouse
Species	Human
Marker	Nuclear Marker
Specificity/Sensitivity	This monoclonal antibody is 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. This monoclonal antibody recognizes the double stranded DNA 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 human cells. This monoclonal antibody produces a homogeneous staining pattern in the nucleus of normal and malignant cells. Deoxyribonucleic acid (DNA) is a long polymer of nucleotides that is held together by a backbone made of sugars and phosphate groups. It holds the genetic instructions for the development and function of living things. DNA is crucial for living organisms, and all known cellular life and some viruses contain DNA. In eukaryotes, DNA exists in the cell nucleus, while in prokaryotes; DNA is located in the cytoplasm. In living organisms, DNA does not usually exist as a single molecule, but instead as a tightly associated pair of molecules in the shape of a right-handed double helix. Hydrogen bonds as well as forces generated by the hydrophobic effect and pi stacking hold the two DNA strands together. During replication and transcription, portions of the helix unwind and become single stranded. Protective proteins surround these single-stranded DNA. Double stranded (ds) DNA markers are useful tools in biology research and aid in the study of DNA behavior and characteristics.
Immunogen	Nuclei of Burkitt's cells
Notes	mFluor(TM) is a trademark of AAT Bioquest, Inc. This conjugate is made on demand. Actual recovery may vary from the stated volume of this product. The volume will be greater than or equal to the unit size stated on the datasheet.
Product Application Details	
Applications	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
Recommended Dilutions	Flow Cytometry, Immunocytochemistry/Immunofluorescence, Immunohistochemistry-Paraffin, CyTOF-ready
Application Notes	Optimal dilution of this antibody should be experimentally determined.



Images

DNA Antibody (121-3) [mFluor Violet 450 SE] [NBP2-78054MFV450] - Vial of mFluor Violet 450 conjugated antibody. mFluor Violet 450 is optimally excited at 406 nm by the Violet laser (405 nm) and has an emission maximum of 445 nm.



mFluor™ Violet 450

LASER (nm)	FILTER
Violet (405)	450/45

EXCITATION MAX (nm)	EMISSION MAX (nm)
406	445



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Products Related to NBP2-78054MFV450

KA1639	DNA Assay Kit (Fluorometric)
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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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