

Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide

Mouse Monoclonal Antibody [Clone AE-2]

Catalog # AH12995

Product Information

Application	IF, FC, ICC
Reactivity	Human
Host	Mouse
Clonality	Monoclonal
Isotype	Mouse / IgG3, kappa
Clone Names	AE-2
Calculated MW	Not Known

Additional Information

Application Note	IF~~1:50~200 FC~~1:10~50 ICC~~N/A
Storage	Store at 2 to 8°C.Antibody is stable for 24 months.
Precautions	Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody - With BSA and Azide is for research use only and not for use in diagnostic or therapeutic procedures.

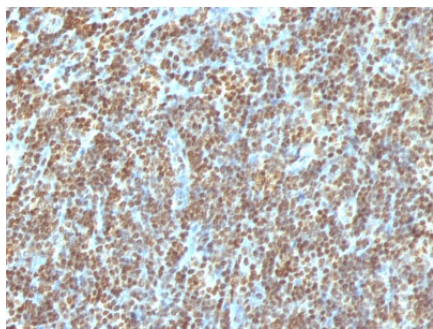
Background

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 MAb 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 MAb produces a homogeneous staining pattern in the nucleus of normal and malignant cells.,Double Stranded deoxyribonucleic acid (ds DNA) is the genetic material of all cells and many viruses and is a polymer of nucleotides. The monomer consists of phosphorylated 2-deoxyribose N-glycosidically linked to one of four bases, adenine, cytosine, guanine or thymine. These are linked together by 3',5'-phosphodiester bridges. In the Watson-Crick double-helix model, two complementary strands are wound in a right-handed helix and held together by hydrogen bonds between complementary base pairs.

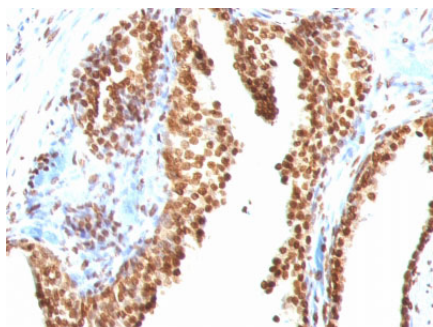
References

Epstein, A.L. and Clevenger, C.V., Identification of nuclear antigens in human cells by immunofluorescence, immunoelectron microscopy, and immuno-biochemical methods using monoclonal antibodies. In Progress on nonhistone protein research, Vol. 1, Isaac Bekhor, ed., 1985, CRC Press, Boca Raton, FL, pp 117-137

Images



Formalin-fixed, paraffin-embedded human Tonsil stained with Double Stranded DNA Monoclonal Antibody (AE-2)



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Double Stranded DNA Monoclonal Antibody (AE-2)

Please note: All products are 'FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC OR THERAPEUTIC PROCEDURES'.