

Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody

Mouse Monoclonal Antibody [Clone AE-2]

Catalog No	Format	Size
MSM2-946-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
MSM2-946-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
MSM2-946-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

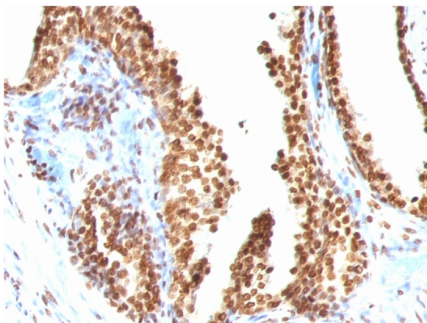
Applications	Tested Dillution	Note
Flow Cytometry (Flow)	1-2ug/million cells	
Immunofluorescence (IF)	1-3ug/ml	
Immunohistochemistry (IHC)	1-2ug/ml	30 min at RT. Staining of formalin-fixed tissues requires heating tissue sections in 10mM Tris with 1mM EDTA, pH 9.0, for 45 min at 95°C followed by cooling at RT for 20 minutes

Product Details

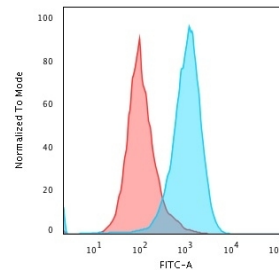
Clone	AE-2
Gene Name	N/A
Immunogen	Nuclei of Burkitt's cells
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG3 / Kappa
Mol. Weight of Antigen	Not Known
Cellular Localization	N/A
Species Reactivity	Human
Positive Control	Jurkat or HeLa cells. Tonsil or Colon., Raji

*Optimal dilution for a specific application should be determined.

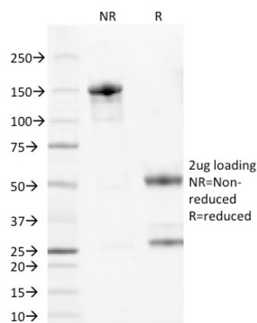
Product Images for Double Stranded DNA (dsDNA) (Nuclear Marker) Antibody



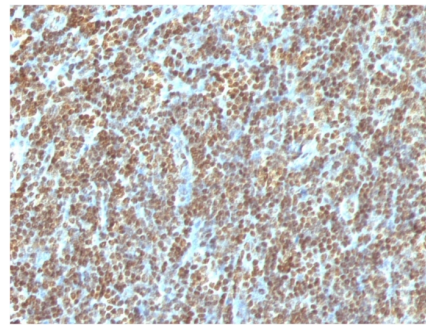
Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Double Stranded DNA Mouse Monoclonal Antibody (AE-2)



Flow Cytometric Analysis of paraformaldehyde-fixed Raji cells with Double Stranded DNA Mouse Monoclonal Antibody (AE-2) followed by goat anti-Mouse IgG-CF488 (Blue) Isotype Control (Red)



SDS-PAGE Analysis of Purified Double Stranded DNA Mouse Monoclonal Antibody (AE-2). Confirmation of Purity and Integrity of Antibody.



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

Specificity & Comments

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.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab Purified from Bioreactor Concentrate. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.