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36-11094: Monoclonal Antibody to Double Stranded DNA (dsDNA) (Nuclear Marker)(Clone : DSD/958)

Clonality :	Monoclonal
Clone Name :	DSD/958
Application :	IHC
Reactivity :	Human
Format :	Purified
Isotype :	Mouse IgG3, kappa
Immunogen Information :	Nuclei of Burkitt's cells

Description

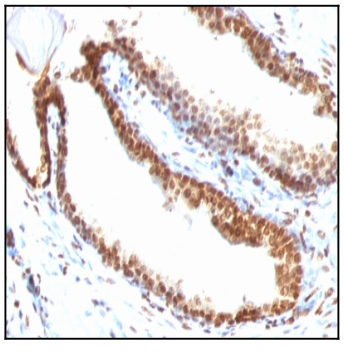
This MAb recognizes the double stranded DNA in human cells. It can be used to stain the nuclei in cell or tissue preparations and can be used as a nuclear marker in human cells. This MAb produces a homogeneous staining pattern in the nucleus of normal and malignant cells. Deoxyribonucleic acid (DNA) is a nucleic acid that stores long-term information regarding the development and function of all known living organisms. DNA consists of two long nucleotide polymers, which are composed of four bases, namely adenine, thymine, guanine and cytosine, all of which are flanked by a phosphate-deoxyribose backbone. Normally, DNA exists as a double-stranded (ds) molecule that forms in the shape of a double helix, allowing the bases and the backbone of the two strands to interact, thus forming a polynucleotide. When the double helix is unwound (either by enzymes or heat), DNA exists as a single-stranded (ss) molecule that is less stable than the double helix, but is necessary for protein access to DNA bases. Double stranded DNA markers are useful tools in biology research and aid in the study of DNA behavior and characteristics.

Product Info

Amount :	100 µg
Purification :	Affinity Chromatography
Content :	100 µg in 500 µl PBS containing 0.05% BSA and 0.05% sodium azide. Sodium azide is highly toxic.
Storage condition :	Store the antibody at 4°C; stable for 6 months. For long-term storage; store at -20°C. Avoid repeated freeze and thaw cycles.

Application Note

Immunohistochemistry (Formalin-fixed) (1-2ug/ml for 30 minutes 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&degC followed by cooling at RT for 20 minutes);



Formalin-fixed, paraffin-embedded human Colon Carcinoma stained with Double Stranded DNA Monoclonal Antibody (DSD/958)

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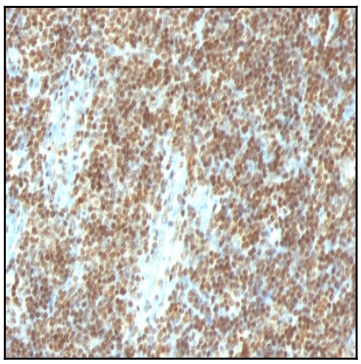

Formalin-fixed, paraffin-embedded human Tonsil stained with Double Stranded DNA Monoclonal Antibody (DSD/958)

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