

Monoclonal Antibody to DNA (double stranded) - Purified

Alternate names:	Deoxyribonucleic Acid, ds DNA
Catalog No.:	BM366
Quantity:	0.2 mg
Concentration:	1.0 mg/ml (OD280)
Background:	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.
Host / Isotype:	Mouse / IgG3
Recommended Isotype Controls:	AM03097PU-N
Clone:	AE-2
Immunogen:	Nuclei from Raji Burkitts lymphoma cells (native).
Format:	State: Liquid purified Ig fraction. Purification: Affinity Chromatography on Protein A. Buffer System: PBS containing 0.09% Sodium Azide as preservative.
Applications:	Immunofluorescence. Immunohistochemistry on Frozen Sections: Use paraformaldehyde fixed frozen cells or tissue. <i>Recommended Positive Control:</i> Tonsil. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody is specific for Double Stranded Deoxyribonucleic Acid (ds DNA). May demonstrate some cross reactivity with Single-Stranded Deoxyribonucleic Acid (ss DNA). It shows homogeneous staining of the nucleus in normal and malignant cells. Species: Human. Other species not tested.
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.