

Product datasheet for **AM32172PU-N**

DNA (double stranded) Mouse Monoclonal Antibody [Clone ID: AE-2]

Product data:

Product Type:	Primary Antibodies
Clone Name:	AE-2
Applications:	IHC
Recommended Dilution:	Immunohistochemistry on Frozen Sections: Use paraformaldehyde fixed or frozen tissue or cell preparations. Recommended Positive Control: Tonsil. Immunohistochemistry on Formalin Fixed, Paraffin-Embedded Tissue Sections.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG3
Clonality:	Monoclonal
Immunogen:	A BALB/c mouse was immunized with nuclei of Raji Burkitt's lymphoma cells. The isolated splenocytes were fused with mouse myeloma cells.
Specificity:	This Monoclonal antibody AE-2 recognizes Double Stranded DNA expressed in the nucleus of Human cells. AE-2 produces a homogeneous staining pattern in the nucleus of normal and malignant cells.
Formulation:	PBS State: Purified State: Liquid purified IgG fraction Preservative: 0.02% Sodium Azide
Concentration:	lot specific
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C.
Stability:	Shelf life: one year from despatch.



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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.

Synonyms: Deoxyribonucleic Acid