



MOUSE ANTI-DOUBLE STRANDED DNA MONOCLONAL ANTIBODY

CATALOG NUMBER: MAB030

LOT NUMBER:

QUANTITY: 500 µL

SPECIFICITY: Double stranded DNA (dsDNyA) (B-form) from human. Shows 95% reactivity to dsDNA and 28% reactivity to ssDNA.

BINDING ASSAY Supernatant was incubated with ³²P-end labeled heat-denatured (ss)DNA or duplex (ds)DNA restriction fragments (20 pmoles nucleotides; 16,000 cpm) followed by precipitation of anti-DNA/DNA complexes with excess rabbit anti-mouse and quantitation of bound [³²P] DNA by Chernkov radiation.

ANTIGEN BINDING PROFILE:

Relative Binding To:

Natural DNA		Synthetic homopolymers					
dsDNA(a)	ssDNA(b)	poly(dA)	poly(dC)	poly(dG)	poly(dT)	poly(dI)	poly(dU)
1.00	0.45	0.01	0.01	0.01	0.01	0.01	0.01

Nucleic acids were complexed with solid phase mBSA and incubated with anti-DNA antibody. Radioiodinated protein A binding at the highest antibody quantity tested (either 10 µg of non-purified antibody or a 1:2 culture supernatant dilution) was measured and normalized relative to that determined for the preferred antigen (given a value of 1.0).

a) Native calf thymus DNA

b) Heat-denatured calf thymus DNA

ISOTYPE: IgG_{2a,k}

CLONE NAME: 16-13

APPLICATIONS: EIA
Immunocytochemistry
Optimal working dilutions must be determined by end user.

FORMAT: Non-purified immunoglobulin from culture supernatant.

PRESENTATION: Liquid with 0.1% sodium azide

STORAGE/HANDLING: Maintain at 2-8°C in undiluted aliquots for up to 6 months.

REFERENCES: *J. Immunology* (1985) **135**:3372-3380.
Analytical Biochemistry (1989) **177**:259-262.
Mol. Immunol. (1990) **5**:463-470.
Dev. Biology (1992) **152**:94-102.
JProtein Chem (1998) **17(7)**:599-606.



Important Note: *During shipment, small volumes of product will occasionally become entrapped in the seal of the product vial. For products with volumes of 200 μ L or less, we recommend gently tapping the vial on a hard surface or briefly centrifuging the vial in a tabletop centrifuge to dislodge any liquid in the container's cap.*

FOR RESEARCH USE ONLY; NOT FOR USE IN DIAGNOSTIC
PROCEDURES. NOT FOR HUMAN OR ANIMAL CONSUMPTION

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