

Product Specification Sheet

**Monoclonal Anti-Deoxyribonucleic Acid (DNA) antibodies**

– **Cat #** DNA12-M      Mouse Monoclonal Anti-DNA IgG, affinity pure      **SIZE:** 100 ul

**Source of Antigen and Antibodies**

<b>Antigen</b>	Nuclear DNA
<b>Ab Host/type</b>	Mouse, monoclonal (IgG3), purified over Protein A/G column (Cat # DNA12-M)
<b>2-Ab</b>	<b>Goat Anti-mouse IgG-HRP</b> cat # 40320 (AP, biotin, FITC conjugates also available)
<b>-ve</b>	Cat # 20008-1, Mouse (non-immune) Serum IgG, purified, suitable for ELISA, Western, IHC as –ve control Or mouse IgG3 isotype controls

recognize ssDNA in some techniques. The antibody is not species specific and it should reacts with DNA from any species. Purified DNA can be used as positive control in ELISA.

Immunohistochemistry: we recommend paraformaldehyde fixed cells or paraformaldehyde fixed frozen tissue sections. It produces a homogenous staining pattern in the nucleus of normal and malignant cells.

Positive control: Human tonsil or other cells.

\*This product is for In vitro research use only.

**Related material available from ADI**

ELISA kit for the detection of autoantibodies to ssDNA and dsDNA

Antibodies to MGMT, hNTH, DNase, XRCC1, hOGG1, etc are available.

Anti-Rabbit IgG-HRP Conjugate and ECL Reagents

**Form & Storage**

**Antibody** is supplied as **purified IgG** obtained by affinity chromatography. It is provided in PBS, pH 7.4 containing 0.05% sodium azide as preservative. Each vial contains 100 ug of antibody in 100 ul (liquid or lyophilized). Lyophilized products should be reconstituted in 100 ul water and gently mixed for 15 min at room temp. All peptide/antibody received in solution or reconstituted from lyophilized vials should be stored frozen at -20°C or below in suitable aliquots. It is not recommended to store diluted solutions. Avoid repeated freeze and thaw.

**Mouse IgG3 isotype controls**

Catalog#	ProdDescription
20102-104	Mouse IgG3 isotype control, purified
20102-104-B	Mouse IgG3-Biotin conjugate (isotype control)
20102-104-F	Mouse IgG3-FITC conjugate (isotype control)
20102-104-FP	Mouse IgG3-FITC-PE conj. (isotype control)
20102-104-HP	Mouse IgG3-HRP conjugate (isotype control)
20102-104-PC5	Mouse IgG3-PE-Cy5 conj. (isotype control)
20102-104-PE	Mouse IgG3-PE conjugate (isotype control)

**Recommended Usage**

We suggest that users optimize antibody dilutions and other conditions for a given technique.

**Specificity & Cross-reactivity**

This antibody reacts with dsDNA in ELISA. It may also

Catalog#	ProdDescription
5110	Mouse Anti-dsDNA Ig's (Total A+G+M) ELISA Kit, 96 tests,
5120	Mouse anti-dsDNA IgG-specific ELISA Kit, 96 tests,
5120-1	Mouse anti-dsDNA IgG1-specific ELISA Kit, 96 tests,
5120-2a	Mouse anti-dsDNA IgG2a-specific ELISA Kit, 96 tests,
5120-2b	Mouse anti-dsDNA IgG2b-specific ELISA Kit, 96 tests,
5120-3	Mouse anti-dsDNA IgG3-specific ELISA Kit, 96 tests,
5120-A	Mouse anti-dsDNA IgA-specific ELISA Kit, 96 tests,
5120-E	Mouse anti-dsDNA IgE-specific ELISA Kit, 96 tests,
5130	Mouse anti-dsDNA IgM-specific ELISA Kit, 96 tests,
3100	Human anti-dsDNA IgG ELISA Kit, 96 tests, Quantitative
3105	Human anti-dsDNA IgM ELISA Kit, 96 tests, Quantitative
3110	Human anti-dsDNA IgA ELISA Kit, 96 tests, Quantitative
3115	Human anti-ssDNA IgG ELISA Kit, 96 tests, Quantitative

DNA12-M      140328A

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