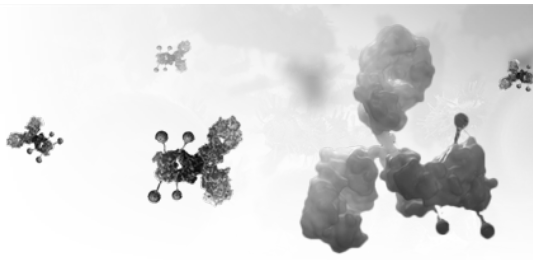

Mouse Anti-DNase I Monoclonal antibody, clone E42 (DMAB-CS24481)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Specificity	DNase I. No cross reactivity with T7 RNA Polymerase, RI, PP
Target	DNase I
Immunogen	DNase I, purified from Recombinant Pichia Pastoris
Isotype	IgG
Source/Host	Mouse
Species Reactivity	Human
Clone	E42
Purification	Affinity purified
Conjugate	unconjugated
Applications	ELISA (Cap)
Format	Liquid
Size	1 mg
Buffer	PBS, pH 7.4, 0.1% PC300
Preservative	0.1% PC300
Storage	Store at -20°C. Avoid Freeze/Thaw Cycles.

BACKGROUND

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Introduction	Deoxyribonuclease I (usually called DNase I), is an endonuclease of the DNase family coded by the human gene DNASE1. DNase I is a nuclease that cleaves DNA preferentially at phosphodiester linkages adjacent to a pyrimidine nucleotide, yielding 5'-phosphate-terminated polynucleotides with a free hydroxyl group on position 3', on average producing tetranucleotides. It acts on single-stranded DNA, double-stranded DNA, and chromatin. In addition to its role as a waste-management endonuclease, it has been suggested to be one of the deoxyribonucleases responsible for DNA fragmentation during apoptosis.
Keywords	DNASE1; Deoxyribonuclease I; DNase I

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