



Anti-DNASE1 monoclonal antibody (DCABH-11305)

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

PRODUCT INFORMATION

Antigen Description	This gene encodes a member of the DNase family. This protein is stored in the zymogen granules of the nuclear envelope and functions by cleaving DNA in an endonucleolytic manner. At least six autosomal codominant alleles have been characterized, DNASE1*1 through DNASE1*6, and the sequence of DNASE1*2 represented in this record. Mutations in this gene have been associated with systemic lupus erythematosus (SLE), an autoimmune disease. A recombinant form of this protein is used to treat the one of the symptoms of cystic fibrosis by hydrolyzing the extracellular DNA in sputum and reducing its viscosity. Alternate transcriptional splice variants of this gene have been observed but have not been thoroughly characterized.
Immunogen	A synthetic peptide of human DNASE1 is used for rabbit immunization.
Isotype	IgG
Source/Host	Rabbit
Species Reactivity	Human
Purification	Protein A
Conjugate	Unconjugated
Applications	ELISA, ICC/IF Recommended dilution: ELISA 1:5000-1:10000 ICC/IF 1:20-1:100
Buffer	In 1x PBS, pH 7.4
Preservative	None

Storage

Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

GENE INFORMATION

Gene Name	DNASE1 deoxyribonuclease I [Homo sapiens]
Official Symbol	DNASE1
Synonyms	DNASE1; deoxyribonuclease I; DNL1; deoxyribonuclease-1; Dornase alfa; DNase I, lysosomal; human urine deoxyribonuclease I; DRNI; FLJ38093; FLJ44902; DKFZp686H0155;
Entrez Gene ID	1773
Protein Refseq	NP_005214
UniProt ID	P24855
Chromosome Location	16p13.3
Function	actin binding; deoxyribonuclease I activity; deoxyribonuclease activity; endonuclease activity; hydrolase activity; protein binding;