



Mouse anti-Human CELA3B monoclonal antibody, clone 3I7 (CABT-B9943)

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

PRODUCT INFORMATION

Immunogen	ELA3B (AAH05216, 19 a.a. ~ 271 a.a) full length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	3I7
Conjugate	Unconjugated
Applications	sELISA, ELISA
Sequence Similarities	GPPSSRPSSRVVNGEDAVPYSWPWQVSLQYEKSGSFYHTCGGSLIAPDWVVVTAGHCISST WTYQVVVLGEYDRAVKEGPEQVIPINSGDLFVHPLWNRSCVACGN DIALIKLSRSAQLGDA VQLASLPAGDILPNETPCYITGWGRLYTNGPLPDKLQEALLPVVDYEHCSRWNWWGSSV KKTMCVAGGDIRSGCNGDSSGGLNCPTEDGGWQVHGVTSFVSAFGCNTRRKPTVFTRVSA FIDWIEETIASH*
Format	Liquid
Size	100 µg
Buffer	In 1x PBS, pH 7.2
Storage	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

BACKGROUND

Introduction	Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode the structurally similar proteins elastase 1, 2, 2A, 2B, 3A, and 3B. Unlike other elastases, elastase 3B has little elastolytic activity. Like most of the human elastases, elastase 3B is secreted from the pancreas as a zymogen and, like other serine proteases such as trypsin, chymotrypsin and kallikrein, it has a digestive function in the intestine. Elastase 3B preferentially cleaves proteins after alanine residues. Elastase 3B may also function in the intestinal transport and metabolism of cholesterol. Both elastase 3A and elastase 3B have been referred to as protease E and as elastase 1, and excretion of this protein in fecal material is frequently used as a measure of pancreatic function in clinical assays. [provided by RefSeq, May 2009]
Keywords	CELA3B; chymotrypsin-like elastase family, member 3B; E1; CBPP; EL-1; ELA3B; chymotrypsin-like elastase family member 3B; elastase 1; protease E; elastase-3B; proteinase E; elastase IIIB; fecal elastase 1; pancreatic elastase 1; elastase 3B, pancreatic; pancreatic endopeptidase E; cholesterol-binding pancreatic protease;

GENE INFORMATION

Entrez Gene ID	23436
UniProt ID	P08861
Pathway	Pancreatic secretion, organism-specific biosystem; Pancreatic secretion, conserved biosystem; Protein digestion and absorption, organism-specific biosystem; Protein digestion and absorption, conserved biosystem
Function	peptidase activity; serine-type endopeptidase activity