



Recombinant Elastase CELA3A Antigen (DAG-WT187)

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

PRODUCT INFORMATION

Antigen Description	Elastase CELA3A recombinant protein expressed and purified from mammalian cells
Conjugate	His
Applications	LFIA/ELISA
Format	Liquid
Size	1 mg
Buffer	TBS, pH 7.4
Preservative	0.09% Sodium Azide
Storage	Short Term: 2-8°C. Long Term: -20°C. 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 3A has little elastolytic activity. Like most of the human elastases, elastase 3A 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 3A preferentially cleaves proteins after alanine residues. Elastase 3A 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.
Keywords	Elastases; CELA3A; Serine proteases