Elastase 2a (ELA2A) ELISA Kit for Bovine

PRODUCT OVERVIEW

Product Name	Elastase 2A (ELA2A), ELISA Kit
Full Product Name	Bovine Elastase 2A (ELA2A) ELISA Kit
Product Gene Name	ELA2A elisa kit
Species Reactivity	Bovine
Preparation and Storage	Store all reagents at 2-8 degree C
Molecular Weight	28,888 Da
OMIM	M16631 mRNA
Related Product Information for ELA2A elisa kit	MBS9904357 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Elastase 2A (ELA2A) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing ELA2A. The ELISA analytical biochemical technique of the MBS9904357 kit is based on ELA2A antibody-ELA2A antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect ELA2A antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, ELA2A. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of ELA2A elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for ELA2A. It may not necessarily be applicable to this product.

NCBI GI #	119572112
NCBI GeneID	63036
NCBI Accession #	EAW51727.1
UniProt Secondary Accession #	Q14243; B2R5I4
UniProt Related Accession #	P08217
NCBI Official Full Name	elastase 2A
NCBI Official Synonym Full Names	chymotrypsin like elastase family member 2A
NCBI Official Symbol	CELA2A
NCBI Official Synonym Symbols	PE-1; ELA2A
UniProt Protein Name	Chymotrypsin-like elastase family member 2A
UniProt Synonym Protein Names	Elastase-2A
UniProt Gene Name	CELA2A
UniProt Synonym Gene Names	ELA2A
NCBI Protein Information	chymotrypsin-like elastase family member 2A

NCBI Summary for ELA2A	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. Like most of the human elastases, elastase 2A is secreted from the pancreas as a zymogen. In other species, elastase 2A has been shown to preferentially cleave proteins after leucine, methionine, and phenylalanine residues. [provided by RefSeq, May 2009]
UniProt Comments for ELA2A	CELA2A: Acts upon elastin. Belongs to the peptidase S1 family. Elastase subfamily. Protein type: EC 3.4.21.71; Protease; Secreted; Secreted, signal peptide Chromosomal Location of Human Ortholog: 1p36.21 Cellular Component: cytosol; extracellular region; extracellular space Molecular Function: endopeptidase activity; serine hydrolase activity; serine-type endopeptidase activity Biological Process: proteolysis
Research Articles on ELA2A	**1.** Complex Formation of Human Proelastases with Procarboxypeptidases A1 and A2.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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