

Mouse Elastase,ELANE,ELA2 ELISA Kit

Catalog No: #EK5676

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Description

Product Name	Mouse Elastase,ELANE,ELA2 ELISA Kit
Specificity	Mouse
Crossing Reactivity	There is no detectable cross-reactivity with other relevant proteins.
Immunogen Type	NSO,S27-R260
Other Names	Neutrophil elastase; 3.4.21.37; Elastase-2; Leukocyte elastase; Elane; Ela2;
Accession No.	Q3UP87
Uniprot	Q3UP87
GeneID	50701;

Application Details

sensitivity:10pg mlDetect Range:31.2pg ml-2000pg ml
 sample_type:cell culture supernates cell lysates tissue homogenates serum and plasma (heparin EDTA).
 capture_antibody:detection_antibody:gene_name:Ela2protein_name:Neutrophil elastase
 gene_full_name:Neutrophil elastasetissue_specificity:sequence_similarities:tmb_incubation:20-25minresearch_category:ELANE

Product Description

Sandwich High Sensitivity ELISA kit for Quantitative Detection of Mouse Elastase

Background

protein_function: Medullasin modifies the functions of natural killer cells, monocytes and granulocytes. Inhibits C5a-dependent neutrophil enzyme release and chemotaxis (By similarity). Neutrophil elastase is a serine protease of neutrophil and monocyte granules. Its key physiologic role is in innate host defense, but it can also participate in tissue remodeling and possesses secretagogue actions important to local inflammatory responses. Elastases form a subfamily of serine proteases that hydrolyze many proteins in addition to elastin. Humans have six elastase genes which encode structurally similar proteins. The encoded preproprotein is proteolytically processed to generate the active protease. Following activation, this protease hydrolyzes proteins within specialized neutrophil lysosomes, called azurophilic granules, as well as proteins of the extracellular matrix. This protein also degrades the outer membrane protein A (OmpA) of E. coli as well as the virulence factors of such bacteria as Shigella, Salmonella and Yersinia. Mutations in this gene are associated with cyclic neutropenia and severe congenital neutropenia (SCN). This gene is present in a gene cluster on chromosome 19.

Note: This product is for in vitro research use only