

Bovine Elastase 2, Neutrophil (ELANE) ELISA Kit-Sandwich

Cat. No.: EK1F331

Product Type: Animal Immunoassay Kits

Size: 48T;96T

Product Overview

BioVenic Bovine Elastase 2, Neutrophil (ELANE) ELISA Kit-Sandwich is designed for the quantitative determination of Bovine Elastase 2, Neutrophil (ELANE) in serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids using a Sandwich ELISA method. For research use only.

Specifications

Assay Type	ELISA-Sandwich
Specificity	The assay kit is specific for Bovine ELANE.
Target Species	Bovine
Species Reactivity	Bovine
Detection Range	6.25-400 ng/mL
Sensitivity	2.37 ng/mL
Reproducibility	Intra-Assay: CV < 10%; Inter-Assay: CV < 10%
Assay Time	Around 210 min
Sample Requirement	Serum, plasma, tissue homogenate, cell culture supernatant, cell extract, and other biological fluids.

Target Information

Neutrophil elastase is secreted by neutrophils during inflammation. Its primary role is to destroy bacteria and host tissue. Its activity is tightly regulated to maintain a balance between defense and tissue protection. Elastase 2, neutrophil is encoded by the *ELANE* gene in cattle. The human neutrophils had about 50 times more total elastase activity compared to the bovine neutrophils. Bovine neutrophils have been reported to contain highly active cytosolic elastase inhibitors.

Target/Biomarker	Bovine ELANE
Target Synonym	ELANE; HLE; HNE; NE; PMN-E; Neutrophil Elastase; Medullasin; Polymorphonuclear Leukocyte Elastase; Bone Marrow Serine Protease; Human Leukocyte Elastase; PMN Elastase

Shipping and Storage

This product is shipped with gel ice packs. It is recommended to store at 2-8 °C (Up to 6 months).

The product is for research use only. Not for commercial, prophylactic, diagnostic, or therapeutic applications. Please determine the purpose of the product before purchasing. For further information and inquiry, please contact us.