

## Sheep Neutrophil Elastase ELISA Kit | NE elisa kit

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CATALOG #  
**AAA92101**

REACTIVITY  
**Sheep**

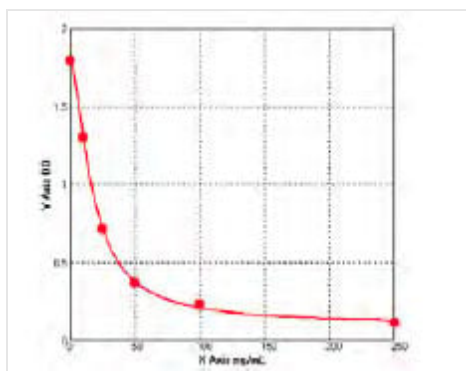
### PRODUCT SYNONYMS

Neutrophil Elastase; Sheep Neutrophil Elastase ELISA Kit; NE elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Sheep                                                                      |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive                                                   |
| Sensitivity             | 0.1 ng/mL.                                                                 |
| Preparation and Storage | Store all reagents at 2-8 degree C.                                        |

### IMAGES



Standard Curve (Sample)

### ADDITIONAL INFORMATION

#### Related Product Information for NE elisa kit

Intended Uses: This NE ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse NE. This ELISA kit for research use only!

Principle of the Assay: NE ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-NE antibody and an NE-HRP conjugate. The assay sample and buffer are incubated together with NE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the NE concentration since NE from samples and NE-HRP conjugate compete for the anti-NE antibody binding site. Since the number of sites is limited, as more sites are occupied by NE from the sample, fewer sites are left to bind NE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The NE concentration in each sample is interpolated from this standard curve.

#### Product Categories/Family for NE elisa kit

Microbiology

NCBI AND UNIPROT INFORMATION

|                                  |                                                                                                                                                                                                                        |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| NCBI GI #                        | 4503549                                                                                                                                                                                                                |
| NCBI GeneID                      | 1991                                                                                                                                                                                                                   |
| NCBI Accession #                 | NP_001963.1                                                                                                                                                                                                            |
| NCBI GenBank Nucleotide #        | NM_001972.2                                                                                                                                                                                                            |
| Molecular Weight                 | 28,518 Da                                                                                                                                                                                                              |
| NCBI Official Full Name          | neutrophil elastase preproprotein                                                                                                                                                                                      |
| NCBI Official Synonym Full Names | elastase, neutrophil expressed                                                                                                                                                                                         |
| NCBI Official Symbol             | ELANE                                                                                                                                                                                                                  |
| NCBI Official Synonym Symbols    | GE; NE; HLE; HNE; ELA2; SCN1; PMN-E                                                                                                                                                                                    |
| NCBI Protein Information         | neutrophil elastase; elastase-2; medullasin; PMN elastase; leukocyte elastase; elastase 2, neutrophil; human leukocyte elastase; polymorphonuclear elastase; bone marrow serine protease; granulocyte-derived elastase |
| UniProt Protein Name             | Neutrophil elastase                                                                                                                                                                                                    |
| UniProt Gene Name                | ELANE                                                                                                                                                                                                                  |
| UniProt Synonym Gene Names       | ELA2; HLE                                                                                                                                                                                                              |
| UniProt Entry Name               | ELNE_HUMAN                                                                                                                                                                                                             |

**For Research Use Only.** Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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