

## Mouse Neutrophil Elastase ELISA Kit | NE elisa kit

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CATALOG #  
**AAA87221**

REACTIVITY  
**Mouse**

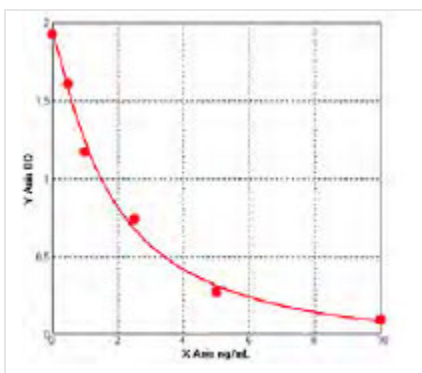
### PRODUCT SYNONYMS

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

### PRODUCT SPECIFICATIONS

|                         |                                                                            |
|-------------------------|----------------------------------------------------------------------------|
| Reactivity              | Mouse                                                                      |
| Samples                 | Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate |
| Assay Type              | Quantitative Competitive or Sandwich                                       |
| Sensitivity             | 1.0 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 Human NE. This ELISA kit for research use only!

**Principle of the Assay:** NE ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for NE. Standards or samples are then added to the microtiter plate wells and NE if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of NE present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for NE are added to each well to "sandwich" the NE immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain NE and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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.