



Elastase 2, Neutrophil (ELA2) BioAssay™ ELISA Kit (Mouse)

Catalog number

024763

Supplier

United States Biological

Elastase 2, Neutrophil (ELA2) BioAssay™ ELISA Kit (Mouse) is a sandwich enzyme immunoassay for in vitro quantitative measurement of ELA2 in mouse serum, plasma and other biological fluids.

Detection Range

0.156-10ng/ml

Sensitivity

0.068ng/ml

Intra-Assay CV

<10%

Inter-Assay CV

<12%

Kit Components

*024763A: Microtiter Strips, 1x96 wells, Pre-coated, ready to use

*024763B: Standard, 2x1 vial

024763C: Standard Diluent, 1x20ml

*024763D: Detection Reagent A, 1x120ul

*024763E: Detection Reagent B, 1x120ul

024763F: Assay Diluent A, 1x12ml

024763G: Assay Diluent B, 1x12ml

024763H: TMB Substrate, 1x9ml

024763K: Stop Solution, 1x6ml

024763L: Wash Buffer, 30X, 1x20ml

Precaution

The Stop Solution (024763K) included for use in this kit is an acid solution. Wear eye, hand, face, and clothing protection when using this material.

Storage and Stability

Store *024763A, *024763B, *024763D, *024763E and *024763J at -20°C. After reconstitution of *024763J, store at 4°C and use within 5 days. Store all the other components at 4°C. Unused kit is stable for 6 months. Once kit components are opened, it is highly recommended to use remaining reagents within 1 month provided this is within the expiration date of the kit. For maximum recovery of product, centrifuge the original vials after thawing and prior to removing the cap.

Assay Procedure Summary



1. Prepare all reagents, samples and standards.
2. Add 100ul standard or sample to each well. Incubate 2 hours at 37°C.
3. Aspirate and add 100ul prepared Detection Reagent A. Incubate 1 hour at 37°C.
4. Aspirate and wash 3 times.
5. Add 100ul prepared Detection Reagent B. Incubate 30 minutes at 37°C.
6. Aspirate and wash 5 times.
7. Add 90ul TMB Substrate. Incubate 15-25 minutes at 37°C.
8. Add 50ul Stop Solution. Read at 450nm immediately.

Notes on 024763J - Positive Control

Intended Use:

The control vials are from a mouse serum sample known to contain the target protein. It will provide a positive result in the ELISA assay, which indicates that the kit is optimized and working properly.

Characteristics

The control vials contain mouse BMP4 in mouse serum (lyophilized powder). Note: The mouse based serum used in this product is from a healthy specimen(s) of SPF standard (specific pathogen-free animals).

Expected Value

1.37ng/ml

Usage

Dissolve with 150ul standard diluent and let stand for 10min. Mix gently before use. In the experiment, add 100ul to an appropriate well of the plate and test its concentration along with standards and samples. Note: Upon receipt store Positive Control vial at -20°C. After reconstitution, store Positive Control vial at 4°C and use within 5 days.

Specificity

Mouse

Storage

4°C/-20°C

Tests

0.32ng/ml

Sensitivity

100ul

Sample Volume

Serum, plasma and other biological fluids

Sample Matrix

0.78-50ng/ml

Detection Range

Colorimetric

Antigen Modification



Mouse

Antigen Source

4896