CREATIVE BIOMART®
Assay Kit

Human Neutrophil Elastase Immunocapture Activity Assay Kit

Product Information

Cat.No. Kit-0465

Product Overview

A sensitive and selective assay for the measurement of human neutrophil elastase (HNE), a serine protease with the ability to solubilize fibrous elastin. Anti-HNE is immobilized onto a 96-well plate; activity is measured with a fluorogenic substrate (Ex: 360-380 nm; Em.: 440-460 nm).

Size

96 Tests

Usage

The InnoZyme Human Neutrophil Elastase Immunocapture Activity Assay Kit is designed to measure human neutrophil elastase activity in cell lysates and body fluids, and for the screening of the enzyme inhibitors.

Storage

Storage: -20°C Storage Conditions: The unopened kit should be stored at -20°C. All kit components, once opened, can be stored for up to three months at the following conditions: assay buffer, AMC standard, substrate, sample buffer, and microwell plate at 4°C, and the HNE control at -20°C. Note: Once opened the HNE should be stored at -20°C in small aliquots to avoid freeze/thaw cycles.Protect from Light Protect from light Avoid freeze/thaw: Avoid freeze/thaw Do not freeze: No

Kit Components

• Anti-HNE Coated 96-Well Plate: 1 96-well polystyrene microplate (6 strips of 16 wells) coated with a monoclonal antibody against human neutrophil elastase• HNE Control: 1 vial, 80 µl of human neutrophil elastase supplied at 5 µg/ml • AMC Standard: 1 vial, 100 µl 2 mM 7-amino-4-methylcoumarin (AMC) in DMSO• Substrate: 1 vial, 60 µl of 100-fold concentrated MeOSuc-Ala-Ala-Pro-Val AMC in DMSO • Assay Buffer: 1 bottle, 20 ml of Tris buffer, pH 7.5• Sample Buffer: 1 bottle, 25 ml of 20-fold concentrated buffer with surfactant• Plate Sealer: 2 each

Detection method Fluorometric

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Compatible Sample Types

Cell lysates, body fluids, for screening HNE inhibitors

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