CREATIVE BIOMART®
Assay Kit

Lysozyme Activity Assay Kit (Fluorometric)

Product Information

Cat

Kit-1039

Common Name

Lysozyme

Cat.No. Kit-1039

Description

Lysozyme (EC 3.2.1.17), also known as muramidase or N-acetylmuramide glycanhydrolase, is a hydrolase acting on glycosidic bonds. It hydrolyzes the β-(1-4)-glucosidic linkage between N-acetyl-muraminic acid and N-acetyl-D-glucosamine residues present in the mucopolysaccharide cell wall. Lysozyme is ubiquitously found in a wide range of biological fluids such as tears, saliva and tissues. It exhibits antibacterial, antitumor and immune modulatory activities. Elevated concentrations of lysozyme in urine and serum have been reported in patients suffering leukemia, tuberculosis, megaloblastic anemias, acute bacterial infections, ulcerative colitis, severe renal insufficiency, pyelonephritis and nephritis. lysozyme activity assay kit utilizes the ability of lysozyme to cleave a synthetic substrate to release the free fluorophore which can be easily quantified (Ex/Em= 360/445 nm). This kit provides a simple, ultra-sensitive assay that can detect as low as 2 μU/ml of Lysozyme activity in a variety of biological samples.

Applications

Detection of Lysozyme Activity in variety of samples

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Tel: 1-631-559-9269 1-516-512-3133

Email:info@creative-biomart.org

Fax:1-631-938-8127

45-1 Ramsey Road, Shirley, NY 11967, USA

CREATIVE BIOMART®
Assay Kit

Lysozyme Activity Assay Kit (Fluorometric)

Kit Components

Lysozyme Assay Buffer; Lysozyme Stop Buffer; Lysozyme Substrate (in DMSO); Lysozyme Positive Control (lyophilized); 4-Methylumbelliferone Standard (5 mM)

Detection method Fluorescence (Ex/Em = 360/445 nm)

Features & Benefits

Rapid, and convenient; The assay can detect Lysozyme activity as low as 2 μU/ml in a variety of biological samples.

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA