CREATIVE BIOMART®
Assay Kit

Granzyme B Activity Fluorometric Assay Kit

Product Information

Cat

Kit-2268

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Product Overview

Granzyme B (GZMB, EC number 3.4.21.79) also known as Granzyme-2 is a serine protease stored in the granules of activated cytotoxic T cells and NK cells. Upon target cell contact, Granzyme B is directionally exocytosed and with the assistance of perforin enters the target cell. With its unique substrate specificity (Granzyme B prefers an aspartic acid residue at the P1 site of its substrates), Granzyme B processes and activates various pro-caspases thereby inducing apoptosis in the target cell. In Granzyme B Activity Assay Kit, active human Granzyme B enzyme hydrolyzes the specific substrate to release the quench of fluorescent group, which can be detected fluorometrically at Ex/Em = 380/500 nm. This Assay Kit is rapid, reliable and sensitive and can detect Granzyme B activity in various biological samples.

Applications

Measurement of Granzyme B activity in various biological samples or purified Granzyme B activity, Screening Granzyme B inhibitors, characterize/Study Granzyme B inhibitors.

Storage

-20°C

Shipping

Gel Pack

Size

100 assays

Kit Components

Granzyme B Assay Buffer; Granzyme B Substrate; Positive Control (Granzyme B Enzyme, human recombinant); AFC Standard (1mM)

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CREATIVE BIOMART®
Assay Kit

Granzyme B Activity Fluorometric Assay Kit

Detection method Fluorescence (Ex/Em = 380/500 nm)

Features & Benefits

Simple and Sensitive;
Rapid and convenient;
Kit contains all necessary reagents for measuring Granzyme B Activity.

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