CREATIVE BIOMART®
Assay Kit

Maleimide Green Fluorescence Assay Kit

Product Information

Cat.No. Kit-0534

Product Overview

Maleimide Assay Kit (Green Fluorescence) is a one-step fluorometric method for the quantification of maleimide groups in a variety of molecules such as proteins.

Description

Sensitive assays of maleimide and thiol groups are required for the efficient conjugation of proteins that are expensive and available only in small amounts. A variety of crosslinking reagents with a maleimide group are widely used for crosslinking proteins to proteins or proteins to other biomolecules. There are few reagents or assay kits available for quantifying the number of maleimide groups that are introduced into the first protein. All the commercial kits have tedious protocols.

Applications

Maleimide Assay Kit (Green Fluorescence) uses a proprietary dye that has enhanced fluorescence upon reacting with a maleimide.

Usage

For research use only (RUO)

Storage

Store the kit at -20°C and avoid from light.

Kit Components

Component A: Maleimide Green 1 vialComponent B: Reaction Buffer 500 μLComponent C: Assay Buffer 25 mLComponent D: N-ethylmaleimide Standard (10 mM) 50 μLComponent E: DMSO 200 μL

Detection method Fluorometric

Features & Benefits

Broad Application: Can be used for quantifying maleimide group in a variety of molecules such as

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proteins.Sensitivity: Detects as low as 10 picomoles of maleimide.Continuous: Easily adapted to automation without a separation step.Convenient: Formulated to have minimal hands-on time. No wash is required.Non-Radioactive: No special requirements for waste treatment.

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