CREATIVE BIOMART®
Assay Kit

Maleimide Rapid Assay Kit

Product Information

Cat.No. Kit-0535

Product Overview

Maleimide Assay Kit (Rapid) is a quantitative assay for the quantification of maleimide groups.

Description

A variety of crosslinking reagents with a maleimide group are widely used for crosslinking proteins to proteins, or proteins to other biomolecules. A key challenge in maleimide crosslinking technology has been the development of reliable and reproducible methods for quantitation the amount of maleimide linked to a single protein or antibody. Maleimides can be directly assayed spectrophotometrically at 302 nm. However, the small extinction coefficient of 620 M-1cm-1 renders this assay insensitive, and the assay is further complicated by the protein absorbance at the same wavelength. There are a few methods available for quantitating the number of maleimide groups by indirect ways. And in many cases, the maleimide ratio is only estimated by experience.

Applications

Maleimide Assay Kit (Rapid) provides an accurate method to quantify maleimide group by our maleimide sensor Maleimide Blue with the maximum absorbance at ~780nm.

Usage

For research use only (RUO)

Storage

Upon receipt, store Maleimide Blue (Component A) the kit at 2-6°C, kept from light and moisture. When stored properly, the kit components should be stable for six months.Note 1: Do not freeze Spin Column (Component C).Note 2: Warm all the components before run the required assays. 50 to 100 μg maleimide-linked antibody or protein sample is needed for determining the amount of maleimide.

Kit Components

Component A: Maleimide Blue (One vial is for 50 ~100 μg maleimide-linked antibody or protein)

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Maleimide Rapid Assay Kit

2 vialsComponent B: Assay Buffer 15 mLComponent C: Spin Column 2 columnsComponent D: Washing Tube 2 mLComponent E: Collecting Tube 1.5 mL

Detection method Colorimetric

Compatible Sample Types

Polymers, Proteins

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