CREATIVE BIOMART®
Assay Kit

Cytosol/Particulate Separation Kit

Product Information

Cat.No. Kit-0269

Product Overview

Cytosol/Particulate Separation Kit is used for separating cytosol from particulate compartments rapidly through an oil layer.

Description

The location and translocation of proteins, signaling molecules, and other small molecules inside cells regulate cell growth, differentiation and many other cellular functions. Separating cytosol and particulate fractions is an important step in studying subcellular localization of cellular components. However, traditional methods usually take hours to separate cytosol from particulates, so that some cellular components especially small molecules and metabolites are getting diffused or redistributed during the separation procedure. The Cytosol/Particulate Separation Kit physically separate cytosol from particulate compartments rapidly through an oil layer and thus the two fractions would not contact or diffuse to each other. Using the method, contaminations can be avoided even for small molecules. Subcellular localization and analyses of factors interested can be performed accurately.

Target Species

Mammals

Usage

For research use only (RUO)

Storage

Store the kit at -20°C.

Kit Components

Cell Suspension buffer. Color code:Red 2 mlCytosol Releasing Buffer. Color code: Green 2 mlOil Layer. Color code: WM 25 mlParticulate Layer. Color code: blue 2 ml

Compatible Sample Types

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Cell Culture, Tissue

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