CREATIVE BIOMART®
Assay Kit

Chloride Channel Assay Kit

Product Information

Cat.No. Kit-0217

Product Overview

Chloride Channel Assay Kit is used for the measurement of chloride channel activity.

Description

Chloride channels have a variety of important physiological and cellular functions that include regulation of pH, volume homeostasis, organic solute transport, cell migration, cell proliferation and differentiation. Chloride channels represent valuable drug targets. A number of chronic disease states such as cystic fibrosis and Bartters syndrome are due to defects in chloride channel functions. However, the existing technologies for screening chloride channel modulators are a compromise between throughput, sensitivity and physiological relevance.

Usage

For research use only (RUO)

Storage

Keep in -20°CProtect from moisture and lightAvoid repeated freeze-thaw cycles

Kit Components

Component A: Iodide Blue Sensor 50 mlComponent B: Iodide Sensor Enhancer (100X) 0.5 mlComponent C: ILoadingBuffer 100 mlComponent D: Cell Lysis Buffer (10X) 5 ml

Detection method Colorimetric

Compatible Sample Types

Live Cells

Features & Benefits

High Sensitivity: As low as 30 nM of iodide can be detected.Convenient: Formulated to have minimal hands-on time.Less toxicity: Ease of use with less toxicity than the classic Sandell and Kolthoff assay.Continuous: Continuous assay without a separation step.

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