CREATIVE BIOMART®
Assay Kit

Cell Ferrous Iron (Fe2+) Fluorometric Assay Kit

Product Information

Product Overview

Iron is the most abundant transition metal element in living organisms and participates in numerous physiological processes. In recent years, intracellular labile iron ions have attracted increasing attention due to their high reactivity and association with cellular injury and death. Intracellular iron exists primarily in stable Fe²⁺ and Fe³⁺ forms. Considering the intracellular reducing environment, metal transport mechanisms, and the higher solubility of Fe²⁺, understanding Fe²⁺ behavior is particularly important.
This kit provides a fluorescent probe that specifically binds Fe²⁺. The probe readily penetrates cell membranes and is suitable for detecting Fe²⁺ in living cells. Upon reaction with Fe²⁺, the probe generates an irreversible orange-red fluorescent product (excitation: 542 nm; emission: 575 nm).

Size

96t

Storage

Store at -20 °C, protected from light. Shelf life: 6 months.

Tel: 1-631-559-9269 1-516-512-3133
Email:info@creative-biomart.org
Fax:1-631-938-8127
45-1 Ramsey Road, Shirley, NY 11967, USA