CREATIVE BIOMART®
Assay Kit

Apoptotic Cell Isolation Kit

Product Information

Cat

Kit-2399

Cat.No. Kit-2399

Product Overview

The Apoptotic Cell Isolation Kit provides a simple and efficient means for isolation of apoptotic cells or removal of dead cells from cell culture or tissue preparations using annexin V/magnetic beads (MagBeads). Annexin V is a Ca2;-dependent phospholipid binding protein with high affinity for phosphatidylserine (PS), which is redistributed from the inner to the outer plasma membrane leaflet in apoptotic or dead cells. Once on the cell surface, PS becomes available for binding to annexin V and any of its conjugates. Binding of annexin V-biotin to apoptotic cells followed by binding of the biotin to streptavidin-MagBeads enables separation of apoptotic cells from; Living cells. The apoptotic cells bound to the MagBeads adhere to the magnet, while nonapoptotic cells stay in suspension. The separated apoptotic and healthy cells can then be used in a variety of assays to study apoptotic mechanisms and pathways. The kit has also been successfully used to remove dead cells from healthy cell culture.

Applications

Kit provides a simple and efficient means for isolation of apoptotic cells from normal culture using annexin V magnetic beads (MagBeads). The separated apoptotic cells and normal cells can be used in a variety of assays to study apoptotic mechanisms and pathways. The kit has also been successfully used to remove dead cells from normal culture.

Storage

-20°C

Shipping

Gel Pack

Size

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

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Apoptotic Cell Isolation Kit

30 isolations

Kit Components

Annexin V-Biotin; 1X Binding Buffer; Streptavidin-MagBeads; Apoptotic Cell Releasing Buffer

Target Species

Mammalian

Detection method Magnetic bead bound apoptotic cells can be separated from normal cells

Features & Benefits

Simple procedure; takes only ~1 hours; Fast and convenient

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