CREATIVE BIOMART®
Assay Kit

Phagocytosis Assay Kit (Red E. coli)

Product Information

Cat

Kit-1044

Common Name

Phagocytosis

Cat.No. Kit-1044

Description

Phagocytosis in mammals serves as an important first line defense mechanism against invading pathogens. It is also essential for continuous clearance of dying cells, tissue remodeling, and acquisition of nutrients for some cells. Phagocytosis is a specific form of endocytosis initiated by recognition and binding of foreign particles by cell surface receptors, followed by their engulfment, and formation of phagosomes. Maturing phagosomes transform to phagolysosomes which destroy the pathogen through enzymes and toxic peroxides. E. coli and other bacterial strains are often used as a pathogen in phagocytosis assays. Phagocytosis Assay Kit (Red E. coli) utilizes heat-killed, fluorescently pre-labeled E. coli particles as a tool for rapid and accurate detection and quantification of in vitro phagocytosis by fluorescent microscope, spectrophotometer or flow cytometry. The kit provides a robust screening system for activators and/or inhibitors of phagocytosis and Toll-like receptors (TLR) ligands.

Applications

Rapid detection, quantification and validation of phagocytosis in convenient 96-well format - Tracking ligand internalization and screening for effectors of phagocytosis

Storage

4°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

CREATIVE BIOMART®
Assay Kit

Phagocytosis Assay Kit (Red E. coli)

100 assays

Kit Components

Phagocytosis Assay Buffer; Red E. Coli; 10X Quenching Solution

Target Species

Mammalian

Detection method Fluorescence (Ex/Em = 540/570 nm)

Features & Benefits

Simple & Rapid Protocol;
Convenient: Non-Radioactive, no special handling or disposal required;
High-Throughput;
Accurate: reproducible results with low intra & inter assay variability

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