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Datasheet for ABIN5633279

Exosome Purification and Analysis Kit (Cell culture)

Overview

Quantity:	25 tests
Reactivity:	Human
Conjugate:	PE
Application:	Flow Cytometry (FACS)

Product Details

Purpose:	Exosome purification and FACS analysis kit of exosomes derived from cell culture
Brand:	ExoStep™
Sample Type:	Cell Culture Cells
Detection Method:	Fluorometric
Characteristics:	The kit is a simple immunobead assay for isolation/detection of exosome, using a bead-bound anti-CD63 capture antibody and a fluorochrome conjugated anti-CD9 detection antibody. The kit provides reproducible results and can be run in parallel to exosome immunophenotyping.
Components:	CD63+ capture beads Anti-CD9 biotin Streptavidin-Phycoerythrin (PE) Assay Buffer 10X
Material not included:	<ul style="list-style-type: none">• Pre-enriched exosomes by ultra-centrifugation. • Magnetic Rack, MagneSphere(R) Mag. Sep. Stand 12-hole, 12x75mm (PROMEGA, Ref Z5343). • 12x75 mm Polystyrene Round Bottom Tubes (cytometer tubes)• Sterile syringe filter with a 0.22 µm pore. (EMD Millipore, Ref SLGSV255F) • Syringe of adequate volume

Target Details

Background: Exosomes are small extracellular vesicles that are released from cells upon fusion of an intermediate endocytic compartment, the multivesicular body (MVB)¹, with the plasma membrane. They are thought to provide a means of intercellular communication and of transmission of macromolecules between cells allowing the spread of proteins, lipids, mRNA, miRNA and DNA and as contributing factors in the development of several diseases.

Application Details

Application Notes: Isolate and purify exosomes by FACS with reproducible results. You can calculate the concentration of protein easily and without other protein contaminations. It allows also immunophenotyping of the captured exosomes

Comment: Very reproducible and faster than WB or TME. 3 hours for enrichment the sample+ Overnight Incubation+ 1 hour of protocol

Sample Volume: 50 µL

Assay Time: 4 h

Reagent Preparation: Reagents ready to use.

Restrictions: For Research Use only

Handling

Buffer: The reagent is provided in aqueous buffered solution containing protein stabilizer, and ≤0.09% sodium azide (NaN₃)

Preservative: Sodium azide

Precaution of Use: This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.

Storage: 4 °C

Storage Comment: Store in the dark at 2-8 °C