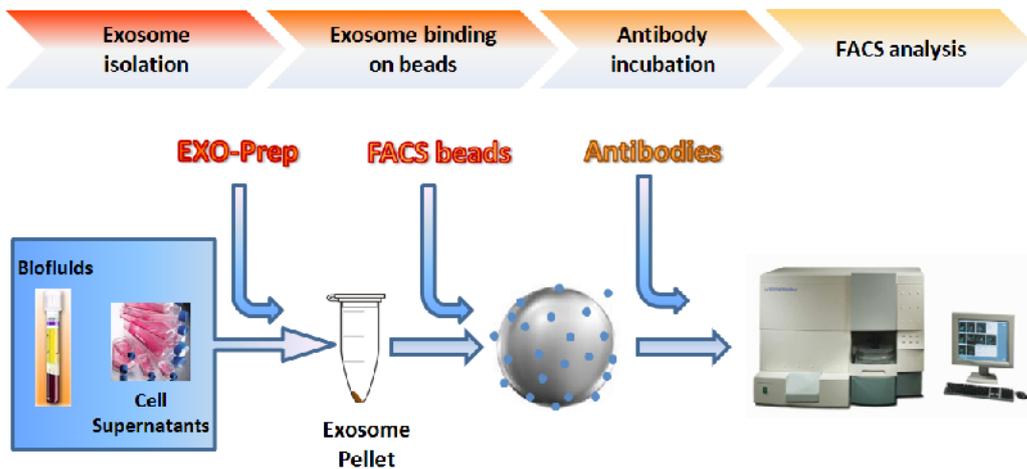


Ready to use kit which allows exosome isolation from biofluids or cell media and Fluorescence-Activated Cell Sorting (FACS) analysis of exosome markers

Exo-FACS: Exosome isolation and FACS analysis of exosome markers

Exo-FACS allows exosome isolation from biofluids or cell culture media and FACS analysis of exosome markers. The kit consists of EXO-Prep reagent, for exosome isolation, 4 µm beads used for the overall capture of pre-isolated exosomes, lyophilized exosomes from cell culture supernatants or human biological fluids, as positive control. The characterization of exosomal proteins (membrane expressed or internal) is subsequently performed using appropriate detection antibodies against exosome associated antigens.



Applications

- Exosome isolation and exosome marker characterization via FACS.
- Exosome comprehensive profiling.

Advantages

- Ready to use.
- No initial exosome purification required.
- Lyophilized Exosome Standards for positive control included
- User friendly and suitable for multiple marker analyses.

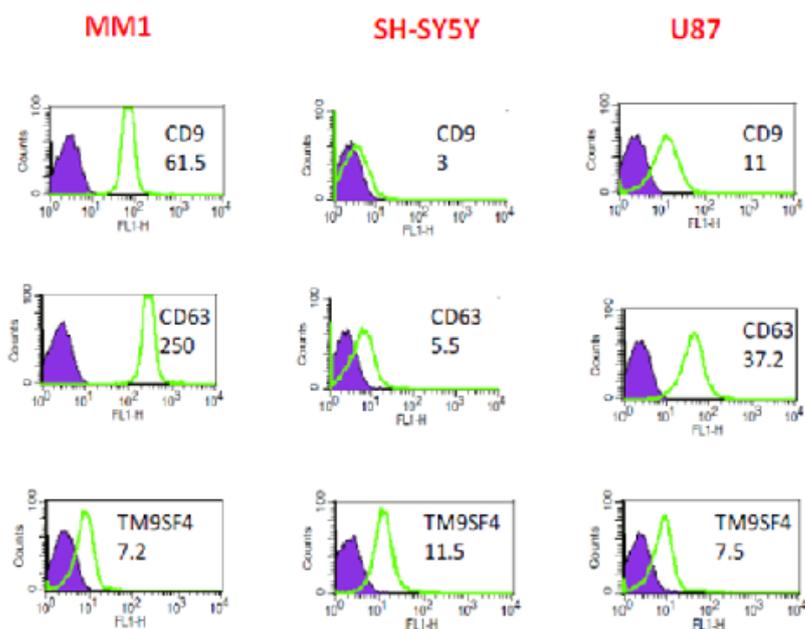
HBM offers different Exo-FACS kits for staining of exosomal markers from human biofluids (plasma, urine, serum, saliva) and from cell culture supernatants. Exo-FACS contains reagents for 20 reactions (lyophilized exosomes, beads, antibodies and buffers). Primary antibody included in the kit is against a common exosomal marker (CD9 or CD63) and can be used as a positive control for protein profiling via FACS analysis.

Cat. Code	Description	Lyophilized Exosome Standard	Detection antibody
Exo-FACS ready to use kits for analysis of exosome marker from human biofluids			
HBM-FACS-PEP	FACS analysis of plasma exosomes	HBM-PEP100 1 vial, 100 µg	Anti human CD9
HBM-FACS-PES	FACS analysis of serum exosomes	HBM-PES100 1 vial, 100 µg	Anti human CD9
HBM-FACS-PEU	FACS analysis of urine exosomes	HBM-PEP100 1 vial, 100 µg	Anti human CD9
HBM-FACS-PESL	FACS analysis of saliva exosomes	HBM-PEP100 1 vial, 100 µg	Anti human CD9
Exo-FACS ready to use kits for analysis of exosome marker from cell culture media			
HBM-FACS-C	FACS analysis of cell derived exosomes	HBM-###100 * 1 vial, 100 µg	Anti human CD63

* Possibility to choose the Exosome Standard from the list of Lyophilized Exosome Standards from cell media available in the section 1 of this catalog, page XX

Exo-FACS is an useful tool for exosome protein profiling by using FACS technique

Exo-FACS was used for a protein marker profile in exosomes derived from different sources. Exosome binding on FACS-beads was performed by incubation at 4°C over night. Exosome-bead complex is ready to be labeled with fluorophore-conjugated antibodies for specific exosome markers. In figure 1 is shown a profile of expression of three different exosome markers in exosomes purified from Melanoma (MM1), Neuroblastoma (SH) and Glioblastoma (U87) cell supernatants.



1. FACS profiling of exosomal markers CD9, CD63 and TM9SF4 in purified exosomes from MM1, SH-SY5Y and U87 cell lines.

Technical characteristics: kit composition.

Kit components	Description
EXO-Prep	Reagent for exosome isolation
Lyophilized Exosome Standards	Purified exosomes to use as positive control
FACS Beads	4 µm Aldehyde-Sulphate latex beads
Primary Antibody	Antibody against exosome surface antigen (CD9 or CD63)
Secondary Antibody	Secondary antibody Alexa 488
Sample Buffer	Buffer for antibody incubation

Custom made Exo-FACS kit:

HansaBioMed offers you the possibility to design and create your own kit by choosing among a wide variety of reagents available in our catalog.

- 1-Select the exosome standard you need.
- 2-Select the primary antibody for exosome detection.

For information contact us at: info@hansabiomed.eu