Exosome Spin Columns (MW4000)

Product Information

Contents	Quantity	Storage conditions	Cat. Number
Spin Columns within Collection Tubes	12 sets	2℃-8℃	RGESC12-1
	24 sets	2℃-8℃	RGESC24-1

Product description

Exosome Spin Columns (MW4000) provide an excellent tool for fast removal of unincorporated dye from labeled exosome preparations, which are mainly based on dextran gel molecular sieve with network structure according to the size of the separated substances. They also can be used for buffer exchange or for the removal of low molecular weight (<MW4000) admixtures (buffer components, salts, nucleotides, SDS, and short oligonucleotides) from exosome preparations. Contaminant removal by Exosome Spin Columns (MW4000) is easier and faster than traditional clean-up methods such as ultracentrifugation or spin filters.

Contaminant removal with the Spin Columns

Note:

- Maximum yield and efficiency are obtained with horizontal or swinging-bucket type rotors. However, fixed-angle-rotor microcentrifuges will also provide acceptable performance.
- On a variable speed microcentrifuge, **Do Not** use the pulse button, which verrides the speed setting and takes the rotor to maximum speed.

For Example Protocol: remove excess unbound dye

1. Prepare the Spin Column prior to application of your sample.
   a) Open the cap of the Spin Column, aspirate preservative buffer from the top of the column with a micropipette and discard it, then remove the outlet plug of the column and proceed to the next step promptly.
   b) Add 200 µL sterilized PBS buffer (not provided) to the column and centrifuge at 100 x g for 90 seconds. If any PBS remains above the top frit, repeat spin at the same speed with 10 seconds increments. Discard the eluate.
   c) Repeat the procedure b) again.

Note: Do not spin at too high speed or for too long as this may desiccate or compress the resin and decrease the function of spin column.

2. Carefully apply 100 µL exosome labeling preparation to the top of the column.

Note: The maximum capacity of the spin column is 100µL. Do not load samples more than 100µL.

3. Centrifuge at 100 x g for 90 seconds. Discard the eluate.
4. Place the column into a fresh 1.5 mL Light-proof Microcentrifuge Tubes (provided). Apply 200 µL PBS buffer (not provided) to the top of the column.
5. Centrifuge at 100 x g for 90 seconds. The 200 µL eluate contains the labeled exosomes.
6. Labeled exosomes can be added to the cells or used for downstream applications.

For Research Use Only. Not for use in diagnostic procedures.

Related Products

Exosome labeling & Purification	
DiO-Membrane Exosome Labeling & Purification Kit (green)	EXOPDiO10-1/EXOPDiO20-1
DiI-Membrane Exosome Labeling & Purification Kit (red)	EXOPDiI10-1/EXOPDiI20-1
DiR-Membrane Exosome Labeling & Purification Kit (near-infrared red)	EXOPDiR10-1/EXOPDiR20-1
PKH67-Membrane Exosome Labeling & Purification Kit (green)	EXOPPKH67-10/EXOPPKH67-20
Exosome Isolation & Purification	
Exosome Extraction & Purification Kits（for blood serum/plasma）	EXORG10SP-1/ EXORG30SP-1/
Exosome Concentration Kits (for cell culture media/urine)	EXOCon05-10/ EXOCon10-10
Total Exosome Capture & Isolation Kits（for cell culture media/urine）	EXOMBoCU-10/EXOMBoCU-20
Exosome Nucleic Acid Extraction	
Exosome Extraction & DNA Isolation Kits（for blood serum/plasma）	EXODNA30A-1/ EXODNA50A-1
Exosome Extraction & DNA Isolation Kits（for cell culture media/urine）	EXODNA10B-1/EXODNA24B-1
Exosome Extraction & RNA Isolation Kits（for blood serum/plasma）	EXORNA30A-1/EXORNA50A-1
Exosome Extraction & RNA Isolation Kits（for cell culture media/urine）	EXORNA10B-1/EXORNA24B-1
Exo-Antibody	
Purified Anti-human Alix Antibody	RGAB100-50/RGAB100-100
Purified Anti-human CD9 Antibody	RGAB101-50/RGAB101-100
Anti-human CD9 Ab Biotin Conjugated	RGAB102-50/RGAB102-100
Purified Anti-human CD63 Antibody	RGAB103-50/RGAB103-100
Anti-human CD63 Ab Biotin Conjugated	RGAB104-50/RGAB104-100
Purified Anti-human CD81 Antibody	RGAB105-50/RGAB105-100
Anti-human CD81 Ab Biotin Conjugated	RGAB106-50/RGAB106-100
Purified Anti-human TSG101 Antibody	RGAB107-50/RGAB107-100
Purified Anti-human PD-L1 Antibody	RGAB108-50/RGAB108-100
Anti-human PD-L1 Ab Biotin Conjugated	RGAB109-50/RGAB109-100
Purified Anti-humanEpCAMAntibody	RGAB110-50/RGAB110-100
Anti-human EpCAM Ab Biotin Conjugated	RGAB111-50/RGAB111-100