

exoUlt Lyo Human umbilical cord



Cat. No.	EXO001-0002
Unit Size	2 mL / 4×10^{11} exosomes/ml
Concentration	4×10^{11} exosomes/ml
Storage	Store at 4~25°C.
Reconstitution Instructions	Add 2 mL deionized water and resuspend exosomes pipetting the solution up and down 10 times till freeze-dried powder dissolved, avoiding bubbles.
Content	Lyophilized from human umbilical cord

Description

Highly pure, lyophilized exosome exoUlt with superior stability, optimal for multiple applications including: Assay calibration, Spike-in control for exosome quantification, Protein marker analysis for different techniques such as Western Blot and Flow Cytometry experiments, Extraction and analysis of exosomal RNA and DNA. Quantity per vial of number of particles $> 4 \times 10^{11}$.

Preparation Method

Isolation involves Tangential flow filtration combined with Size Exclusion Chromatography. Exosomes (small EVs) are quantified and validated for protein content and particle number by microfluidic resistive pulse Sensing (MRPS).

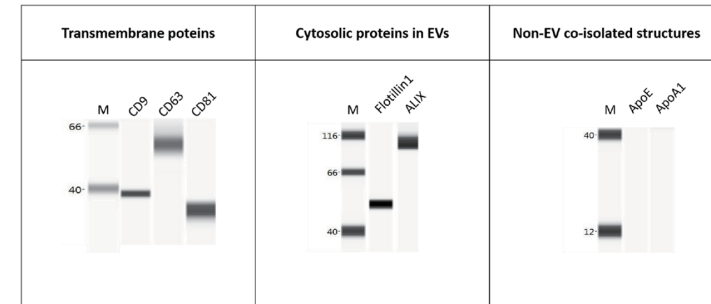
Applications

Western Blot, ELISA, Electron Microscopy, Flow Cytometry, Nucleic Acid Extraction

Recommended Dilutions

According to usage.

Western Blot: Exosome Standards (Human Umbilical Cord) [EXO001-0002] - Marker detection by Western Blotting. Reconstituted Exosomes can be directly detected by transmembrane proteins (CD9/CD63/CD81) and cytosolic proteins in EVs (Flotillin1/ALIX) and Non-EV co-isolated structures (ApoE/ApoA1)



Cryogenic electron microscopy: Exosome Standards (Human Umbilical Cord) [EXO001-0002]

