

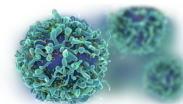
HQExo™ Exosome-488-A549

Catalog: Exo-F488-A549

Exosomes are small extracellular vesicles with sizes of 30-160 nm, which is a subtype of extracellular vesicles (EVs). Exosomes are secreted by all cell types and play a crucial role in intercellular signaling and communication. Exosomes are nano-sized shuttles that transport signaling RNAs, lipids, peptides and proteins to other cells. Studying exosome contents to get an insight into their roles in disease initiation and progression. HQExo™ exosomes/microvesicles labeled with a lipid dye could use as positive controls for FACS and fluorescence microscopy. Exosome can be purified by ultracentrifugation and characterized by nanoparticles tracking analysis (NTA) and ELISA or WB. Lyophilization is useful for a long-term storage at 4°C, and frozen liquid should be kept at -20°C to -80°C. Creative Biostructure standard exosome products guarantee higher purity and quality to meet our customer's downstream analyses.

PRODUCT INFORMATION

Product Name	HQExo™ Exosome-488-A549
Catalog Number	Exo-F488-A549
Source	Fluorescent labeled exosome derived from human non-small cell lung cancer cell line (A549 cell line)



Product Overview	Exosomes are small extracellular vesicles with sizes of 30-160 nm, which is a subtype of extracellular vesicles (EVs). Exosomes are secreted by all cell types and play a crucial role in intercellular signaling and communication. Exosomes are nano-sized shuttles that transport signaling RNAs, lipids, peptides and proteins to other cells. Studying exosome contents to get an insight into their roles in disease initiation and progression. HQExo™ exosomes/microvesicles labeled with a lipid dye could use as positive controls for FACS and fluorescence microscopy. Exosome can be purified by ultracentrifugation and characterized by nanoparticles tracking analysis (NTA) and ELISA or WB. Lyophilization is useful for a long-term storage at 4°C, and frozen liquid should be kept at -20°C to -80°C. Creative Biostructure standard exosome products guarantee higher purity and quality to meet our customer's downstream analyses.
Form	Lyophilized powder/ frozen liquid
Concentration	>1x10 ⁶ particles
Storage	Store at -20°C or colder. Recommend to avoid repeated freeze-and-thaw cycles.

USAGE GUIDELINES

General Handling	Avoid excessive mixing or vortexing to prevent aggregation. Long-term storage above -80°C may result in aggregate formation. Thaw on ice before use.
Storage	Short term: +2°C to +8°C (up to 1 week) Long term: -80°C (stable for 12 months)
Stability	Stable for 12 months at -80°C. Avoid repeated freeze-thaw cycles.
Freeze / Thaw	Can be frozen, but limit to 3 freeze/thaw cycles to maintain particle integrity.

Important: This product is for **research use only**. Not intended for diagnostic or therapeutic applications. Please refer to the Safety Data Sheet (SDS) for complete handling and safety information.