Product Datasheet

Fluorescent Exosome Standards (PC3 cell line)
NBP3-11696

Unit Size: 100 ug

Store at -20C in the dark. Avoid freeze-thaw cycles.

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Publications: 1

Protocols, Publications, Related Products, Reviews, Research Tools and Images at:
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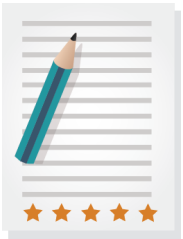
Updated 11/7/2024 v.20.1



NBP3-11696

Fluorescent Exosome Standards (PC3 cell line)

Product Information

Unit Size	100 ug
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at -20C in the dark. Avoid freeze-thaw cycles.
Buffer	Cell culture media

Product Description

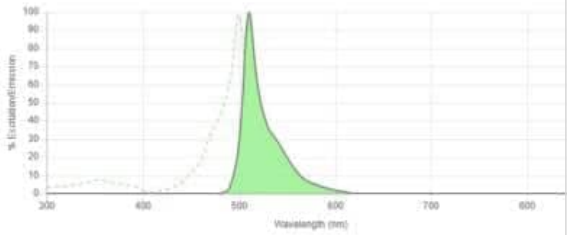
Description	Highly pure fluorescent exosome standards with superior performance, suitable for extracellular vesicle (EV) tracking studies, flow cytometry, and electron microscopy. One vial contains 100 ug of purified exosomes (measured as total protein content; number of particles in 100 ug: > 1x10^10). Fluorescent labeled exosomes are stable for approximately 6 months storage at -20C. Avoid repeated freeze-and-thaw cycles. Protect from light
Preparation Method	Exosome isolation involves a combination of ultracentrifugation and microfiltration procedures. Fluorescent exosomes are subsequently quantified and validated for overall protein content and particle number by Nanoparticles Tracking Analysis.

Product Application Details

Applications	Electron Microscopy, Flow Cytometry
Recommended Dilutions	Flow Cytometry, Electron Microscopy
Application Notes	The excitation maximum of fluorescent exosome standards is 500 nm - 650 nm and emission maximum is 510 - 665 nm.

Images

Fluorescent Exosome Standards (PC3 cell line) [NBP3-11696] - Absorption and corrected fluorescence emission spectrum of conjugate excitation at 488 nm. Excitation spectrum (dotted line) and emission spectrum (solid line).



Publications

Yin T, Ramadan S, Xu X et al. Control of antibody orientation on graphene using porphyrin linker molecules for high-performance graphene-based immuno-biosensors Research Square 2023-09-14

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