

# Product Datasheet

## Fluorescent Exosome Standards (LnCAP cell line)

**NBP3-41041**

Unit Size: 100 ug

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

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**NBP3-41041**

## Fluorescent Exosome Standards (LnCAP cell line)

**Product Information**

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

**Product Description**

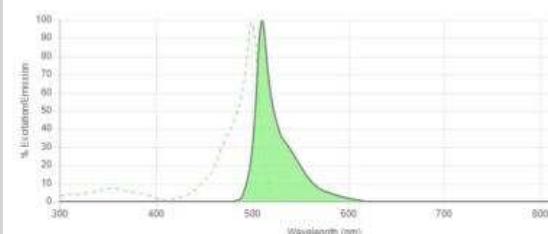
<b>Description</b>	Highly pure fluorescent exosome standards with superior performance, suitable for extracellular vesicle (EV) tracking studies, flow cytometry, and electron microscopy. One vial contains 100 ug of purified exosomes (measured as total protein content; number of particles in 100 ug: > 1x10 <sup>10</sup> ). Fluorescent labeled exosomes are stable for approximately 6 months storage at -20C. Avoid repeated freeze-and-thaw cycles. Protect from light
<b>Preparation Method</b>	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**

<b>Applications</b>	Electron Microscopy, Flow Cytometry
<b>Recommended Dilutions</b>	Flow Cytometry, Electron Microscopy
<b>Application Notes</b>	The excitation maximum of fluorescent exosome standards is 500 nm - 650 nm and emission maximum is 510 - 665 nm. Membrane lipid dye (penetrates into exosome membrane).

**Images**

Fluorescent Exosome Standards (LnCAP cell line) [NBP3-41041] - Absorption and corrected fluorescence emission spectrum of conjugate excitation at 488 nm. Excitation spectrum (dotted line) and emission spectrum (solid line).





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## Limitations

This product is for research use only and is not approved for use in humans or in clinical diagnosis. Support products are guaranteed for 6 months from date of receipt.

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