

# Product Datasheet

## Exosome Standards (K-562 cell line)

### NBP2-49864-200ug

Unit Size: 2 x 100ug Vials

Store at 4C. Do not freeze.

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Updated 4/2/2024 v.20.1

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**NBP2-49864-200ug**

Exosome Standards (K-562 cell line)

**Product Information**

<b>Unit Size</b>	2 x 100ug Vials
<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 4C. Do not freeze.
<b>Reconstitution Instructions</b>	Add deionized water, 100 ul for Standard 100 ug and 30 ul for Standard 30 ug, to get a final concentration of 1 mg/mL. Resuspend exosomes pipetting the solution up and down 10-15 times, avoiding bubbles. Vortex the reconstituted standard for 60 seconds.
<b>Buffer</b>	Lyophilized from cell culture media

**Product Description**

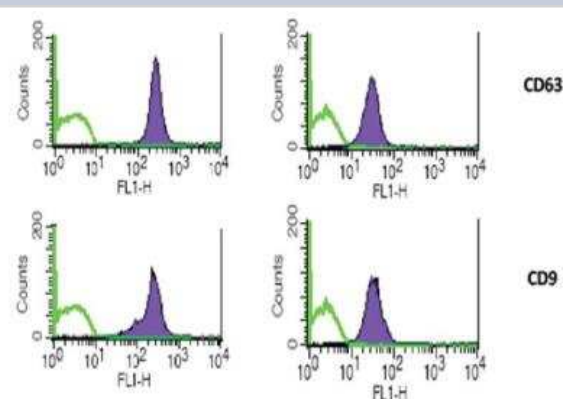
<b>Description</b>	Highly pure, lyophilized exosome standards with superior stability, optimal for multiple applications including: Assay calibration, Spike-in control for exosome quantification, Protein marker analysis for different techniques such as Western Blot and Flow Cytometry, Extraction and analysis of exosomal RNA and DNA. Quantity per vial of 30 ug size (number of particles in 30 ug: $> 1 \times 10^8$ ). Quantity per vial of 100 ug size (number of particles in 100 ug: $> 1 \times 10^{10}$ ).
<b>Preparation Method</b>	Isolation involves Tangential flow filtration combined with Size Exclusion Chromatography. Exosomes (small EVs) are quantified and validated for protein content and particle number by Nanoparticle Tracking Analysis as well as for common tetraspanins marker validation. Lyophilization does not alter stability of exosome proteins and nucleic acids.

**Product Application Details**

<b>Applications</b>	ELISA, Electron Microscopy, Flow Cytometry, Nucleic Acid Extraction
<b>Recommended Dilutions</b>	Flow Cytometry, ELISA, Electron Microscopy, Nucleic Acid Extraction

**Images**

Flow Cytometry: Exosome Standards (K-562 cell line) [NBP2-49864] - Phenotyping assays by FACS. Reconstituted Exosomes can be used for profiling biomarkers by FACS analysis. Recommended quantity: 5 ug of reconstituted Exosomes Standards for each test





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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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