

Product Datasheet

Exosome Standards (Human Urine)

NBP2-49840-200ug

Unit Size: 2 x 100ug Vials

Store at 4C. After reconstitution store at -70C.

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NBP2-49840-200ug

Exosome Standards (Human Urine)

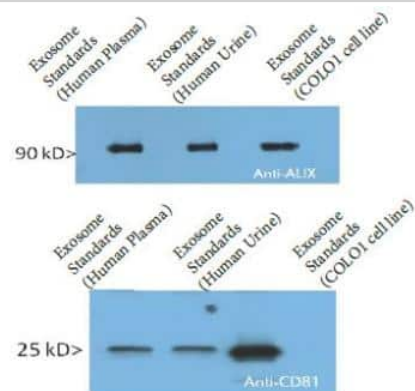
Product Information	
Unit Size	2 x 100ug Vials
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C. After reconstitution store at -70C.
Reconstitution Instructions	Add deionized water, 100 ul 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.
Buffer	Lyophilized from human urine

Product Description	
Description	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: $> 1 \times 10^{10}$).
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 Nanoparticle Tracking Analysis as well as for common tetraspanins marker validation. Lyophilization does not alter stability of exosome proteins and nucleic acids.

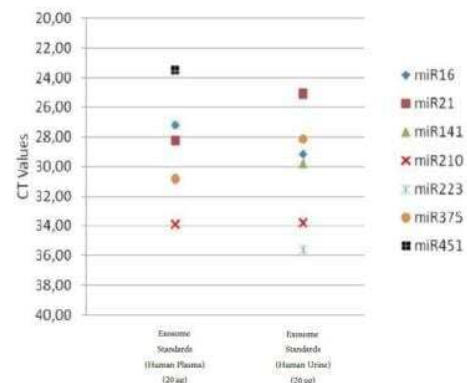
Product Application Details	
Applications	Western Blot, ELISA, Electron Microscopy, Flow Cytometry, Nucleic Acid Extraction
Recommended Dilutions	Western Blot, Flow Cytometry, ELISA, Electron Microscopy, Nucleic Acid Extraction

Images

Western Blot: Exosome Standards (Human Urine) [NBP2-49840] - Marker detection by Western Blotting. Reconstituted Exosomes can be directly lysed in Laemmli buffer, then loaded on the Electrophoresis gel. Recommended quantity: 10-20 ug per line.



Nucleic Acid Extraction: Exosome Standards (Human Urine) [NBP2-49840] - Profiling of Exosome associated nucleic acids. Reconstituted Exosomes can be used for profiling nucleic acids (RNAs and DNA) biomarkers. The lysis buffer can be added directly to the Exosome preparation. Recommended quantity: 20-50 ug per reaction.





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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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