Product Datasheet

Exosome Standards (A549 cell line)
NBP3-11645-200ug

Unit Size: 2 x 100ug Vials

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

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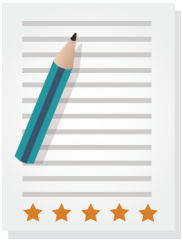


NBP3-11645-200ug

Exosome Standards (A549 cell line)

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 cell culture media

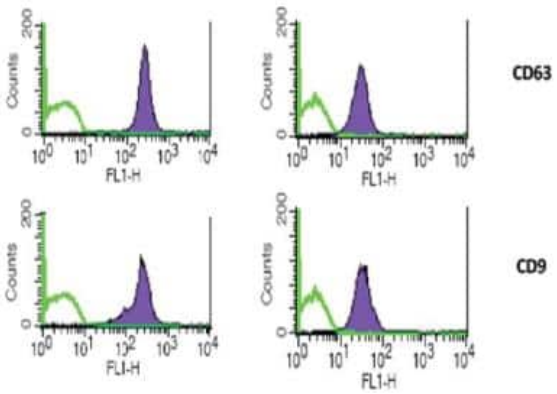
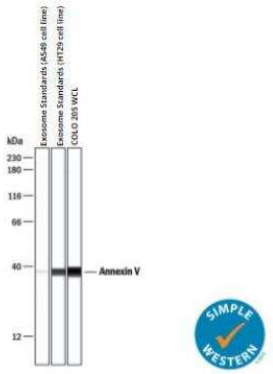
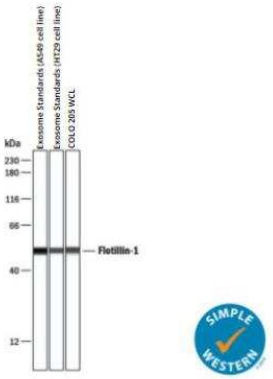
Product Description

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 • Standardized positive controls for evaluating immunocapture performance Quantity per vial of 30 ug size (number of particles in 30 ug: > 1x10^8). Quantity per vial of 100 ug size (number of particles in 100 ug: > 1x10^10).
Preparation Method	Isolation involves Tangential flow filtration combined with Size Exclusion Chromatogrpahy. Exosomes (small EVs) are quantified and validated for protein content and particle number by Nanoparticle Tracking Analysis as well as for common tetraspanins maker validation. Lyophilization does not alter stability of exosome proteins and nucleic acids.

Product Application Details

Applications	Simple Western, ELISA, Electron Microscopy, Flow Cytometry, Nucleic Acid Extraction
Recommended Dilutions	Simple Western, Flow Cytometry, ELISA, Electron Microscopy, Nucleic Acid Extraction

Images

Flow Cytometry: Exosome Standards (A549 cell line) [NBP3-11645] - 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.	
Simple Western: Exosome Standards (A549 cell line) [NBP3-11645] - Simple Western lane view shows lysates of Exosome Standards (A549 cell line), exosome standards (HT29 cell line), and COLO 205 human colorectal adenocarcinoma cell line whole cell lysate (WCL), loaded at 0.2 mg/mL. A specific band was detected for Annexin V at approximately 38 kDa (as indicated) using 50 ug/mL of Mouse Anti-Human Annexin V Monoclonal Antibody. This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.	
Simple Western: Exosome Standards (A549 cell line) [NBP3-11645] - Simple Western lane view shows lysates of Exosome Standards (A549 cell line), exosome standards (HT29 cell line), and COLO 205 human colorectal adenocarcinoma cell line whole cell lysate (WCL), loaded at 0.2 mg/mL. A specific band was detected for Flotillin-1 at approximately 51 kDa (as indicated) using 1:250 ug/mL of Flotillin-1 Antibody (NBP1-79022). This experiment was conducted under reducing conditions and using the 12-230 kDa separation system.	

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