

Product Datasheet

Exosome Standards (HEK293 cell line) NBP3-11684-180ug

Unit Size: 6 x 30ug Vials

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

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NBP3-11684-180ug

Exosome Standards (HEK293 cell line)

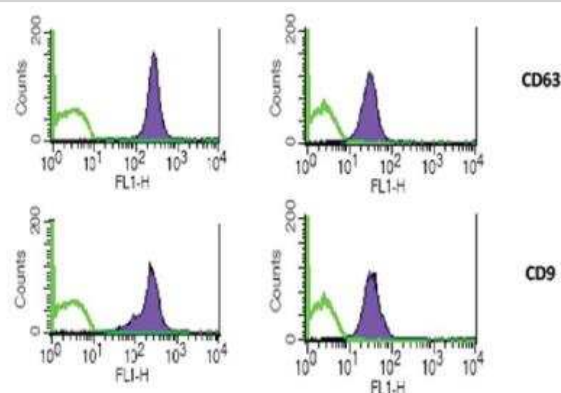
Product Information	
Unit Size	6 x 30ug Vials
Concentration	Please see the protocols for proper use of this product. If no protocol is available, contact technical services for assistance.
Storage	Store at 4C. After reconstitution store at -70C.
Reconstitution Instructions	Add deionized water, 100 ul 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: $> 1 \times 10^8$). Quantity per vial of 100 ug size (number of particles in 100 ug: $> 1 \times 10^{10}$). Store lyophilized exosomes up to 3 years at 4C (Expire date indicated on the label). For reconstituted exosomes store at -20C for up to one month or at -80C for up to 6 months. Avoid repeated freeze-and-thaw cycles.
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	ELISA, Electron Microscopy, Flow Cytometry, Nucleic Acid Extraction
Recommended Dilutions	Flow Cytometry, ELISA, Electron Microscopy, Nucleic Acid Extraction

Images

Flow Cytometry: Exosome Standards (HEK293 cell line) [NBP3-11684] - 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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