



## Exosome Capture and Isolation Kit (For Serum/Plasma) (Combination)

Cat. No.: ELK-15

This product is for research use only and is not intended for diagnostic use.

<b>Size</b>	10 reactions
<b>Storage Conditions</b>	Store at 2-8 °C for at least 6 months
<b>Shipment Conditions</b>	Gel Pack
<b>Sample Type</b>	Serum/Plasma
<b>Application</b>	The kits is for the selective capture distinct sub-populations of exosomes based on particular surface markers. The isolated exosomes can be used for Western Blot, Transmission Electron Microscopy, Flow Cytometry, Labeling & Tracking and qRT-PCR, etc.

**Product Introduction** Exosome Capture and Isolation Kits is designed and optimized for isolation and enrichment of distinct sub-populations of exosomes from human serum or plasma. Exosomes are extracellular vesicles secreted by most cell types and contain some microRNAs and surface marker proteins such as CD9, CD63, CD81. The kit uses functionalized magnetic microparticles (Capture Beads, coupled with antibodies that recognize exosome surface antigens CD9 and CD63) for exosome capture. The beads are modified with hydrophilic polymers to decrease non-specific binding and conjugated with antibody, which specifically binds to antigen of exosomes. The captured exosomes can be directly applied for Western Blot, Flow Cytometry and qRT-PCR etc, or gently eluted from magnetic beads for other applications such as NTA, Transmission Electron Microscopy and Labeling& Tracking etc..

<b>Package Contents</b>	<b>Product Components</b>	<b>10 reactions</b>	<b>Part Number</b>	<b>Storage Conditions</b>	<b>Characteristics</b>
	Capture Beads (Mixture of CD9, CD63)	1.5 mL	EIK-15-01	2-8°C	Beads diameter: 1.0µm Solid content: 10mg/mL
	Washing Buffer	30 mL	EIK-15-02	2-8°C	
	Exosome Elution Buffer	0.5 mL	EIK-15-03	2-8°C	

**User Supplied Reagents and Equipment**

- Single-use and/or pipettes with disposable tips 2-100 µl;
- Pipettes 1 ml and 5 ml for reagent preparation;
- PBS I 1.5 mL, 2 mL centrifuge tubes.