

Active EGFRvIII protein-coupled magnetic Beads

Cat. No. EGFRvIII-342M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
ProteinLength	Leu 25- Ser 378
Appearance	Powder mixture
Particle size	2 µm
Bio-activity	Immobilized 44 µg EGFRvIII protein/1 mg beads can bind Anti-EGFR Antibody (Cetuximab) with an EC50 of 0.7172 µg/mL.
Coupled amount of protein	≈261 pmol (11 µg) EGFRvIII/mg beads
Capacity	>200 pmol (30 µg) antibody/mg beads
Formulation	PBS, pH7.4, with 10% Trehalose
Reconstitution	2 mL sterile deionized water (1 mg beads/mL)
Background	The Human EGFRvIII-coupled Magnetic Beads is produced by coupling biotinylated EGFRvIII protein to streptavidin-conjugated magnetic beads. Because Streptavidin

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(SA) has an extraordinarily high affinity for biotin with a dissociation constant (K_d) on the order of 10^{-14} mol/L, the biotinylated protein can bind to the SA beads irreversibly. The pre-coupled beads are ready to use for capturing anti-EGFRvIII antibody from your sample with high specificity.

Application

This product is intended for immunocapture, biopanning and flow cytometry. This product is produced non-sterile.

Storage

Upon receipt, please store the Beads at -20°C for 1 year in lyophilized state.

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