

Active CD47 protein-coupled magnetic Beads

Cat. No. CD47-0989M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Source	HEK293
ProteinLength	Gln 19 - Pro 139
Appearance	Powder mixture
Particle size	2 µm
Bio-activity	Immobilized 15.8 µg CD47/1mg beads can bind the Anti CD47 Ab with an EC50 of 0.5720 µg/mL.
Coupled amount of protein	≈1302 pmol (22 µg) CD47 protein/mg beads
Capacity	>250 pmol (45 µg) Anti-CD47 antibody/mg beads
Formulation	PBS, pH7.4, with 10% Trehalose
Reconstitution	2 mL sterile deionized water (1 mg beads/mL)
Background	The Human CD47-coupled Magnetic Beads is produced by coupling biotinylated CD47 protein to streptavidin-conjugated magnetic beads. Because Streptavidin (SA)

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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-CD47 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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