

Active Spike NTD protein-coupled magnetic Beads

Cat. No. Spike-4126M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val 16 - Phe 318
Appearance	Powder mixture
Particle size	2 µm
Bio-activity	Immobilized 38 µg NTD protein to 1 mg Beads can bind the Anti-NTD Antibody with an EC50 of 0.7291 µg/mL.
Coupled amount of protein	≈684 pmol (26 µg) Spike NTD/mg beads
Capacity	>65 pmol (10 µg) Anti-NTD antibody/mg beads
Formulation	PBS, pH7.4, with 10% Trehalose
Reconstitution	2 mL sterile deionized water (1 mg beads/mL)
Background	The SARS-CoV-2 Spike NTD-coupled Magnetic Beads is produced by coupling biotinylated SARS-CoV-2 spike NTD protein to streptavidin-conjugated magnetic

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beads. Because Streptavidin (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-SARS-CoV-2 antibody or ACE2 protein 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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