

Active Spike RBD(Delta) protein-coupled magnetic Beads

Cat. No. Spike-4133M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Sars-CoV-2
Source	HEK293
ProteinLength	Arg 319 - Lys 537(L452R, T478K)
Appearance	Powder mixture
Particle size	2 µm
Bio-activity	Immobilized 28.9 µg SARS-CoV-2 (Delta) Spike RBD/1 mg beads can bind human ACE2 with an EC50 of 1.198 µg/mL.
Coupled amount of protein	≈1021 pmol (28.9 µg) SARS-CoV-2 (Delta) Spike RBD/mg beads
Capacity	>707 pmol (20µg) ACE2/mg beads
Formulation	PBS, pH7.4, with 10% Trehalose
Reconstitution	2 mL sterile deionized water (1 mg beads/mL)
Background	The SARS-CoV-2 (Delta) Spike RBD-coupled Magnetic Beads is produced by coupling biotinylated SARS-CoV-2 spike RBD to streptavidin-conjugated magnetic

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beads. The spike RBD coupled to the beads contains the critical mutations (L452R, T478K) identified in the SARS-CoV-2 Delta variants (also known as B.1.617.2). 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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