

Active Spike Trimer(Delta) protein-coupled magnetic Beads

Cat. No. Spike-4134M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Sars-CoV-2
Source	HEK293
ProteinLength	Arg 319 - Lys 537(T19R, G142D, EF156-157del, R158G, L452R, T478K, D614G, P681R, D950N, R683A, R685A, F817P, A892P, A899P, A942P, K986P, V987P)
Appearance	Powder mixture
Particle size	2 µm
Bio-activity	Immobilized 46.8 µg SARS-CoV-2 (Delta) Spike Trimer/1mg Beads can bind human ACE2 with an EC50 of 1.260 µg/mL.
Coupled amount of protein	≈335 pmol (46.8 µg) SARS-CoV-2 (Delta) Spike Trimer/mg beads
Capacity	>108 pmol (15µg) 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 Trimer-coupled Magnetic Beads is produced by

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coupling biotinylated SARS-CoV-2 spike trimer to streptavidin-conjugated magnetic beads. The spike protein coupled to the beads contains the critical mutations (T19R, G142D, EF156-157del, R158G, L452R, T478K, D614G, P681R, D950N) 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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