

Active Spike Trimer (B.1.351) protein-coupled magnetic Beads

Cat. No. Spike-4128M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val 16 - Pro 1213(L18F, D80A, D215G, 242-244del, R246I, K417N, E484K, N501Y, D614G, A701V, R683A, R685A,F817P, A892P, A899P, A942P, K986P, V987P)
Appearance	Powder mixture
Particle size	2 µm
Bio-activity	Immobilized 41µg S protein trimer/1mg beads can bind the Anti-S1 Antibody with an EC50 of 0.5951µg/mL.
Coupled amount of protein	≈294 pmol (41 µg) SARS-CoV-2 Spike Trimer (B.1.351)/mg beads
Capacity	>126 pmol (19 µg) Anti-SARS-CoV-2 Spike RBD Neutralizing 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 Trimer (B.1.351) Coupled Magnetic Beads is produced by

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coupling biotinylated SARS-CoV-2 spike trimer to streptavidin-conjugated magnetic beads. The spike proteins coupled to the beads contain 10 mutations (L18F, D80A, D215G, 242-244del, R246I, K417N, E484K, N501Y, D614G, A701V) identified in the South African variant (known as B.1.351 or 20C/501Y.V2). 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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