

Active Spike Trimer (P.1) protein-coupled magnetic Beads

Cat. No. Spike-4129M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val 16 - Pro 1213(L18F, T20N, P26S, D138Y, R190S, K417T, E484K, N501Y, D614G, H655Y, T1027I, V1176F, R683A, R685A,F817P, A892P, A899P, A942P, K986P, V987P)
Appearance	Powder mixture
Particle size	2 µm
Bio-activity	Immobilized 40µg S protein trimer/1mg beads can bind the Anti-S1 Antibody with an EC50 of 0.5720µg/mL.
Coupled amount of protein	≈286 pmol (40 µg) SARS-CoV-2 Spike Trimer (P.1)/mg beads
Capacity	>242 pmol (36 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)

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Background

The SARS-CoV-2 Spike Trimer (P.1) Coupled Magnetic Beads is produced by coupling biotinylated SARS-CoV-2 spike trimer to streptavidin-conjugated magnetic beads. The spike proteins coupled to the beads contain 12 mutations (L18F, T20N, P26S, D138Y, R190S, K417T, E484K, N501Y, D614G, H655Y, T1027I, V1176F) identified in the Brazilian variant (known as P.1). 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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