

Active Spike RBD(Omicron) protein-coupled magnetic Beads

Cat. No. Spike-4135M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Sars-CoV-2
Source	HEK293
ProteinLength	Arg 319 - Lys 537(G339D, S371L, S373P, S375F, K417N, N440K, G446S, S477N, T478K, E484A, Q493K, G496S, Q498R, N501Y, Y505H)
Appearance	Powder mixture
Particle size	2 µm
Bio-activity	Immobilized 29.8 µg Spike RBD protein/1mg beads can bind the Anti-S1 Antibody with an EC50 of 0.05449 µg/mL.
Coupled amount of protein	≈1046 pmol (29.8 µg) Spike RBD protein/mg beads
Capacity	>200 pmol (15µg) Anti-S1-SCT-ic1 Ab/mg beads
Formulation	PBS, pH7.4, with 10% Trehalose
Reconstitution	2 mL sterile deionized water (1 mg beads/mL)
Background	The SARS-CoV-2 (Omicron) Spike RBD-coupled Magnetic Beads is produced by

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coupling biotinylated SARS-CoV-2 spike RBD to streptavidin-conjugated magnetic beads. The spike RBD coupled to the beads contains the critical mutations identified in the SARS-CoV-2 Omicron variants (BA.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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