Active Spike Trimer (B.1.1.7) protein-coupled magnetic Beads

Cat. No. Spike-4127M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	
Species	Sars-CoV-2
Source	HEK293
ProteinLength	Val 16 - Pro 1213(HV69-70del/Y144del//N501Y/A570D/D614G/P681H/T716I/S982A/D1118H/R683A/R685A/F817P/A892P/A899P/A942P/K986P/V987P)
Appearance	Powder mixture
Particle size	2 μm
Bio-activity	Immobilized 24μg S protein trimer/1mg beads can bind the Anti-S1 Antibody with an EC50 of 0.5848μg/mL.
Coupled amount of protein	≈172 pmol (24 μg) SARS-CoV-2 Spike Trimer (B.1.1.7)/mg beads
Capacity	>152 pmol (23 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.1.1.7) 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 9 mutations (HV69-70del, Y144del, N501Y, A570D, D614G, P681H, T716I, S982A, D1118H) identified in the U.K. variant (known as B.1.1.7, 20B/501Y.V1 or VOC 202012/01). 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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