

# Active Spike Trimer(Delta) protein-coupled magnetic Beads

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

## SPECIFICATION

### Product Overview

|                                  |                                                                                                                                                |
|----------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>                   | Sars-CoV-2                                                                                                                                     |
| <b>Source</b>                    | HEK293                                                                                                                                         |
| <b>ProteinLength</b>             | Arg 319 - Lys 537(T19R, G142D, EF156-157del, R158G, L452R, T478K, D614G, P681R, D950N, R683A, R685A, F817P, A892P, A899P, A942P, K986P, V987P) |
| <b>Appearance</b>                | Powder mixture                                                                                                                                 |
| <b>Particle size</b>             | 2 µm                                                                                                                                           |
| <b>Bio-activity</b>              | Immobilized 46.8 µg SARS-CoV-2 (Delta) Spike Trimer/1mg Beads can bind human ACE2 with an EC50 of 1.260 µg/mL.                                 |
| <b>Coupled amount of protein</b> | ≈335 pmol (46.8 µg) SARS-CoV-2 (Delta) Spike Trimer/mg beads                                                                                   |
| <b>Capacity</b>                  | >108 pmol (15µg) ACE2/mg beads                                                                                                                 |
| <b>Formulation</b>               | PBS, pH7.4, with 10% Trehalose                                                                                                                 |
| <b>Reconstitution</b>            | 2 mL sterile deionized water (1 mg beads/mL)                                                                                                   |
| <b>Background</b>                | 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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