

# Active Spike RBD protein-coupled magnetic Beads

**Cat. No.** Spike-4922M    **Lot. No.** (See product label)

## SPECIFICATION

### Product Overview

|                                  |                                                                                                                                       |
|----------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|
| <b>Species</b>                   | Sars-CoV-2                                                                                                                            |
| <b>Source</b>                    | HEK293                                                                                                                                |
| <b>ProteinLength</b>             | Arg 319 - Phe 541                                                                                                                     |
| <b>Appearance</b>                | Powder mixture                                                                                                                        |
| <b>Particle size</b>             | 2 µm                                                                                                                                  |
| <b>Bio-activity</b>              | Immobilized 40 µg SARS-CoV-2 S protein RBD to 1mg Beads, can bind the Anti-SARS-CoV-2 Spike S1 Antibody with an EC50 of 0.8887 µg/mL. |
| <b>Coupled amount of protein</b> | ≈1254 pmol (36 µg) Spike RBD/mg Beads                                                                                                 |
| <b>Capacity</b>                  | >40 µg anti-SARS2-CoV-2 Spike S1 antibody/mg beads; >40 µg ACE2 protein / 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 pre-coupled magnetic beads coupled with biotinylated SARS-CoV-2 Spike RBD                                                         |

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protein to streptavidin conjugated magnetic beads, which can capture the Anti-SARS-CoV-2 antibody or ACE2 protein from cell or serum sample. The beads are in uniform size, narrow size distribution with large surface area and unique surface coating, which can help you get the best performance and highly reproducible results. This very first SARS-CoV-2 Spike protein RBD-coupled magnetic beads will bring great convenience with minimum non-specific binding and developed protocols. This ready to use products could greatly save your time and hassle.

**Application**

This product is intended for immunocapture, biopanning and flow cytometry. This product is produced non-sterile.

**Storage**

Upon receipt, please store the lyophilized beads at -20°C for long term storage. The shelf life is 1 year at -20°C in lyophilized form.

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