

## Anti-SARS-CoV-2 Spike RBD Antibody-coupled magnetic beads

**Cat. No.** RBD-008M    **Lot. No.** (See product label)

### SPECIFICATION

#### Product Overview

The biotinylated Anti-SARS-CoV-2 Spike RBD Antibody was conjugated to streptavidin magnetic beads. This pre-coupled magnetic bead product can capture the SARS-CoV-2 S1 protein/SARS-CoV-2 Spike RBD from various assay systems. 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 Anti-SARS-CoV-2 Spike RBD Antibody coupled magnetic beads will bring great convenience with minimum non-specific binding and developed protocols. This ready-to-use product could greatly save your time and hassle.

#### Species

SARS-CoV-2

#### Beads Size

2mg

#### Particle size

2  $\mu$ m

#### Beads Surface

hydrophilic

#### Coupled amount of protein

>300 nmol /mg Beads

#### Capacity

> 200 nmol S1 or RBD protein / mg beads

#### Formulation

Lyophilized from 0.22  $\mu$ m filtered solution in PBS, 0.05% Tween-20, pH7.4, with 10% trehalose

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|                           |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
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| <b>Reconstitution</b>     | 2 mL ultrapure water (1mg beads/mL)                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| <b>Application</b>        | This product is intended for immunocapture.                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Storage</b>            | Upon receipt, please store the Beads at -20°C for 1 year in lyophilized state. Once the Beads reconstitution, please use it immediately. Do not to freeze thaw the Beads after reconstitution.                                                                                                                                                                                                                                                                                       |
| <b>Assay Principles</b>   | The conjugation was achieved by means of the binding between streptavidin and biotin. Streptavidin (SA) has an extraordinarily high affinity for biotin with a dissociation constant (Kd) on the order of 10-14 mol/L. Thus, the binding of streptavidin and biotin is irreversible. Our Anti-SARS-CoV-2 Spike RBD Antibody-coupled magnetic beads could capture anything binding to Anti-SARS-CoV-2 Spike RBD Antibody, and make the following testing easy, such as immunocapture. |
| <b>Application Method</b> | <p>a) Reconstitute the Beads following the COA. Wash and re-suspended the beads to a certain concentration by adding your dilution buffer.</p> <p>b) Add the prepared beads to your samples.</p> <p>c) Beads can be separated from your samples afterwards using a magnetic plate.</p>                                                                                                                                                                                               |