

SARS-CoV-2 Spike S trimer protein-coupled magnetic beads

Cat. No. S-009M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

The pre-coupled magnetic beads coupled with biotinylated SARS-CoV-2 Spike trimer 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 trimer protein-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.

Species SARS-CoV-2

Beads Size 2mg

Particle size 2 µm

Formulation Lyophilized from 0.22 µm filtered solution in PBS, 0.05% Tween-20, pH7.4, with 10% Trehalose

Reconstitution 2 mL ultrapure water (1mg beads/mL)

Application This product is intended for immunocapture, biopanning and flow cytometry.

Storage 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.

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Assay Principles

The Antigen pre-coupled magnetic beads are coupled with biotinylated protein onto streptavidin (SA) magnetic beads. Because Streptavidin (SA) has an extraordinarily high affinity for biotin with a dissociation constant (Kd) on the order of 10-14 mol/L, the biotinylated protein can bind to the SA beads irreversibly. We provide the SARS-CoV-2 Spike trimer protein-coupled magnetic beads, which could help you to capture the antibody or ACE-2 protein, and easily to follow up with other tests, such as immunocapture, biopanning and flow cytometry.

Application Method

- a) Reconstitute the Beads following the CoA, wash the Beads and suspended to a certain concentration by adding assay Buffer.
- b) Add your antibody or ACE-2 protein to the beads, incubation and wash the beads.

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