

SARS-CoV-2 Nucleocapsid protein-coupled magnetic beads

Cat. No. N-011M **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The pre-coupled magnetic beads coupled with biotinylated SARS-CoV-2 Nucleocapsid protein to streptavidin conjugated magnetic beads, which can capture the Anti-SARS-CoV-2 antibody 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 Nucleocapsid 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 nucleocapsid protein-coupled magnetic beads, which could help you to capture the antibody, 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 to the beads, incubation and wash the beads.

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