

Active IgM Antibody-coupled magnetic Beads

Cat. No. IgM-443M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Human
Appearance	lyophilized powder mixture
Particle size	2.8µm
Bio-activity	Immobilized 0.04 µg /Test of Biotinylated SARS-CoV-2 Spike RBD, His,Avitag to the Streptavidin Protein-Acridine ester (0.04 µg /Test), incubated with 100 µL /Test of Anti-SARS-CoV-2 Spike RBD Neutralizing Antibody, Chimeric mAb, Human IgM (AM122) at increasing concentration coupled to Anti-Human IgM-coupled Magnetic Beads (recommended for MPCLIA) (10 µg /Test). Detection was performed with sensitivity of 0.244 ng/mL in Magnetism particulate chemiluminescence immunoassay (MPCLIA) (KEYSMILE, SMART 6500S).
Coupled amount of protein	About 133 pmol (20 µg) Anti- Human IgM Antibody / mg Beads
Capacity	3-8 µg Human IgM / mg beads
Background	The Anti-Human IgM-coupled Magnetic Beads are 2.8 µm superparamagnetic particles covalently coupled to a highly affinity Monoclonal anti-human IgM antibody. The beads can be used to capture the Human IgM in Chemiluminescence procedures. It has no-cross-reactivity with Human IgG, IgA or IgE. The Anti-Human IgM-coupled

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Magnetic Beads is easy to capture the human IgM, and the bounded antibody have no activity lost, this ready to use products could greatly save your protein coupling time and hassle, and help us get the best performance and highly reproducible results.

Application

The Anti-Human IgM-coupled Magnetic Beads is used to capture the human IgM, it can combination with Acridinium ester markers in chemiluminescence technology, The Acridinium ester markers such as Streptavidin-Acridinium ester can capture the biotinylated proteins or molecules, this allows detection of antigen and antibody binding or antibody screening.

Storage

Upon receipt, please store the Beads at -20°C. The shelf life is 1 year at -20 °C.

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