

Active IgG Antibody-coupled magnetic Beads

Cat. No. IgG-433M **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-Acridine ester (0.008 µg /Test), incubated with 100 µL /Test of Anti-SARS-CoV-2 Spike RBD Antibody, Chimeric mAb, Human IgG1 (AM122) at increasing concentration coupled to Anti-Human IgG-coupled Magnetic Beads (used for MPCLIA) (10 µg beads/Test). Detection was performed with sensitivity of 0.39 ng/mL in Magnetism particulate chemiluminescence immunoassay (MPCLIA) (KEYSMILE, SMART 6500S).
Coupled amount of protein	About 133 pmol (20 µg) Anti-Human IgG / mg Beads
Capacity	2-5ug human antibody or Human IgG Fc tag proteins / mg beads
Background	The Anti-Human IgG-coupled Magnetic Beads are 2.8 µm superparamagnetic particles covalently coupled to a highly affinity Monoclonal mouse anti-human IgG antibody. The beads can be used to capture the human IgG in Chemiluminescence procedures. The antibody reacts with the Fc portion of human IgG heavy chain but not with the

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Fab portion of human IgG. No antibody was detected against human IgM or IgA, or against non-immunoglobulin serum proteins. The antibody has been tested by ELISA and/or solid-phase adsorbed to ensure minimal cross-reaction with mouse, cynomolgus and bovine serum proteins, but it is not sure if the product cross-react with immunoglobulins from other species. The Anti-Human IgG-coupled Magnetic Beads is easy to capture the human IgG, 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 IgG-coupled Magnetic Beads is used to capture the human IgG, 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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