

Active IgG Antibody-coupled magnetic Beads

Cat. No. IgG-432M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Species	Mouse
Appearance	lyophilized powder mixture
Particle size	2.8µm
Bio-activity	Immobilized 0.04 µg /Test of Biotinylated Human PD-1, Avitag,His Tag to the Streptavidin-Acridine ester (0.008 µg /Test), incubated with 100 µL /Test of Human PD-L1 Protein, Mouse IgG1 Fc Tag at increasing concentration coupled to Anti-Mouse IgG-coupled Magnetic Beads (used for MPCLIA) (10 µg beads/Test). Detection was performed with sensitivity of 7.8 ng/mL in Magnetism particulate chemiluminescence immunoassay (MPCLIA) (KEYSMILE, SMART 6500S).
Coupled amount of protein	About 133 pmol (20 µg) Monoclonal Rabbit anti-mouse IgG antibody / mg Beads
Capacity	2-5ug mouse antibody or Mouse IgG Fc tag proteins / mg beads
Background	The Anti-Mouse IgG-coupled Magnetic Beads are 2.8 µm superparamagnetic particles covalently coupled to a highly affinity Monoclonal Rabbit anti-mouse IgG antibody. The beads can be used to capture the mouse IgG in Chemiluminescence procedures. The antibody reacts with the heavy and light chain of mouse IgG. It can recognizes mouse IgG1, IgG2a, IgG2b and it binds IgG3 with a lower reactivity. It recognizes rat

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IgG and has no cross-reactivity with chicken IgY, goat IgG, human IgG, and rabbit IgG. The Anti-Mouse IgG-coupled Magnetic Beads is easy to capture the mouse IgG, and the bounded protein 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-Mouse IgG-coupled Magnetic Beads is used to capture the mouse 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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