

Active Protein L-coupled magnetic Beads

Cat. No. Protein L-546M **Lot. No.** (See product label)

SPECIFICATION

Product Overview

Appearance	lyophilized powder mixture
Particle size	2.8µm
Bio-activity	Immobilized 0.04 µg /Test of Biotinylated Human CD64, His,Avitag to the Streptavidin-Acridine ester (0.02 µg /Test), incubated with 100 µL /Test of Trastuzumab at increasing concentration coupled to Protein L-coupled Magnetic Beads (recommended for MPCLIA) (10 µg beads/Test). Detection was performed with sensitivity of 0.98 ng/mL in Magnetism particulate chemiluminescence immunoassay (MPCLIA) (KEYSMILE, SMART 6500S).
Coupled amount of protein	About 474 pmol (20 µg) Protein L/mg Beads
Capacity	15-25ug Human antibody /mg beads
Background	The Protein L-coupled Magnetic Beads are 2.8 µm superparamagnetic particles covalently coupled to a highly pure form of Protein L. The beads can be used to capture the antibodies in Chemiluminescence procedures. The Protein L is a 45 kDa surface protein, and can bind almost all antibody types, including IgG, IgM, IgA, IgE and IgD. It binds to antibodies with appropriate Kappa light chains such as VkI, VklII and VklIV, whereas no binding occurred with antibodies of the VklI or with any Lambda light chains. The Protein L-coupled Magnetic Beads is easy to capture the

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most antibodies, 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 Protein L-coupled Magnetic Beads is used to capture the most antibodies, 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 Fc receptors and antibody binding.

Storage

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

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