



Source

Anti-Mouse IgG-Acrininium ester is a chimeric monoclonal antibody recombinantly expressed from human 293 cells(HEK293), which combines the variable region of a mouse monoclonal antibody with rabbit IgG constant domain.

Isotype

Rabbit IgG | Kappa

Specificity

This product is a specific antibody specifically reacts with Mouse IgG.

Labeling

Acrininium ester, can react with the primary amino group of protein. Under alkaline conditions, NHS is replaced as the leaving group, and the protein forms a stable amide bond with Acrininium ester.

Protein Ratio

Passed as determined by binding MPCLIA.

Application

MPCLIA

Purity

>95% as determined by SDS-PAGE.

>90% as determined by SEC-MALS.

Endotoxin

Less than 1.0 EU per μg by the LAL method.

Formulation

Lyophilized from 0.22 μm filtered solution in PBS, pH6.3 with trehalose as protectant.

Contact us for customized product form or formulation.

Reconstitution

Please see Certificate of Analysis for specific instructions.

For best performance, we strongly recommend you to follow the reconstitution protocol provided in the CoA.

Storage

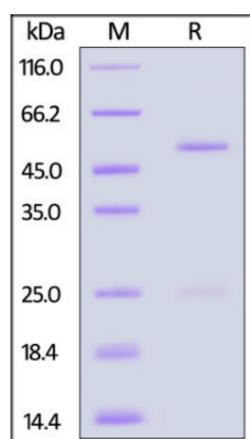
For long term storage, the product should be stored at lyophilized state at -20°C or lower.

Please avoid repeated freeze-thaw cycles.

This product is stable after storage at:

- -20°C to -70°C for 12 months in lyophilized state;
- -70°C for 3 months under sterile conditions after reconstitution.

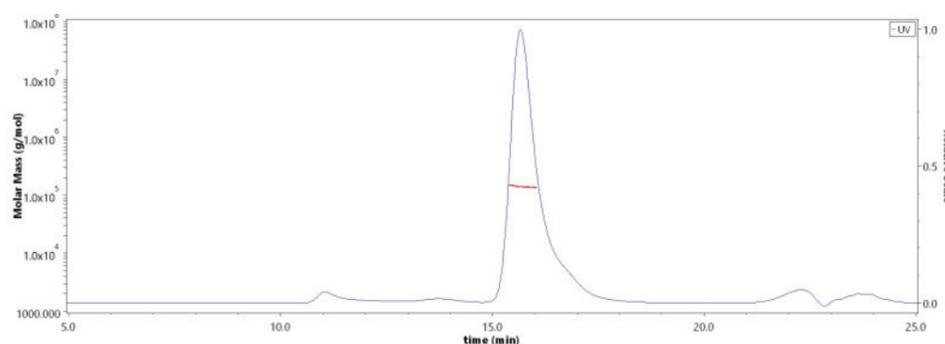
SDS-PAGE



Anti-Mouse IgG-Acrininium ester on SDS-PAGE under reducing (R) condition. The gel was stained with Coomassie Blue. The purity of the protein is greater than 95%.

Bioactivity-MPCLIA

SEC-MALS



The purity of Anti-Mouse IgG-Acrininium ester (Cat. No. AMG-S163) is more than 90% and the molecular weight of this protein is around 135-155 kDa verified by SEC-MALS.

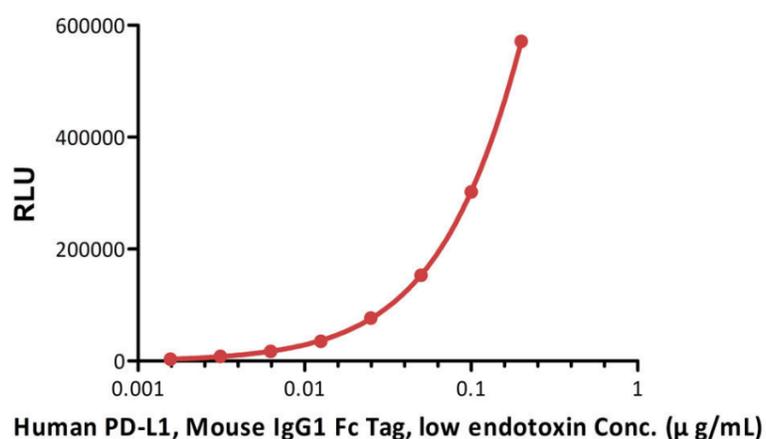
[Report](#)

Discounts, Gifts,
and more!



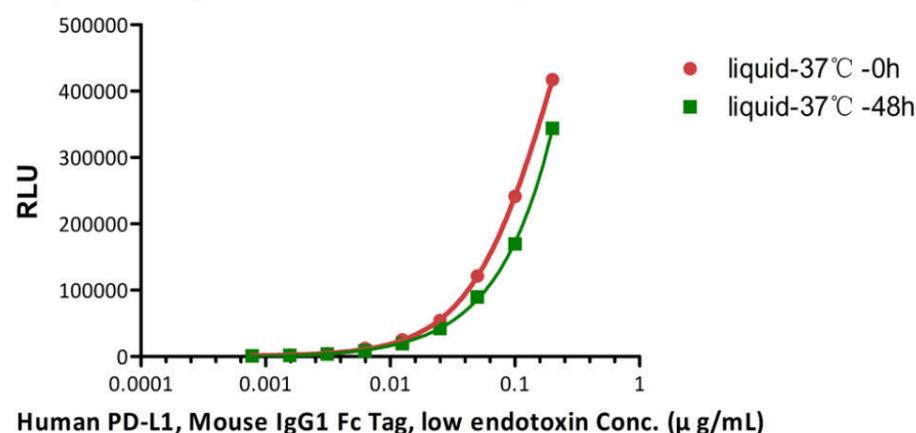


Human PD-1 bind with Human PD-L1 by MPCLIA
Streptavidin-Magnetic Beads : Anti-Mouse IgG-Acrininium ester



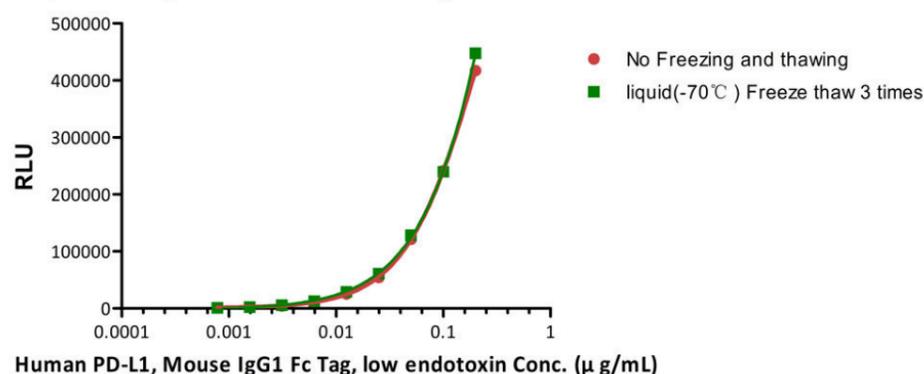
Immobilized 0.04 µg /Test of Biotinylated Human PD-1, Avitag,His Tag (recommended for biopanning) (Cat. No. PD1-H82E4) to the Streptavidin-Magnetic Beads (used for MPCLIA) (Cat. No. MPC-A006, 20 µg beads/Test), incubated with 100 µL /Test of Human PD-L1, Mouse IgG1 Fc Tag, low endotoxin (Cat. No. PD1-H52A3) at increasing concentration coupled to Anti-Mouse IgG-Acrininium ester (Cat. No. AMG-S163, 0.04 µg /Test). Detection was performed with sensitivity of 1.5625 ng/mL in Magnetism particulate chemiluminescence immunoassay (MPCLIA) (KEYSMILE, SMART 6500S) (QC tested).

Human PD-1 bind with Human PD-L1 by MPCLIA
Streptavidin-Magnetic Beads : Anti-Mouse IgG-Acrininium ester



The MPCLIA assay shows that Anti-Mouse IgG-Acrininium ester (Cat. No. AMG-S163) is stable at 37°C for 48 hours.

Human PD-1 bind with Human PD-L1 by MPCLIA
Streptavidin-Magnetic Beads : Anti-Mouse IgG-Acrininium ester



The MPCLIA assay shows that Anti-Mouse IgG-Acrininium ester (Cat. No. AMG-S163) is stable after freezing and thawing 3 times.

Background

Chemiluminescence immunoassay (CLIA) is a much more effective measurement with the advantages of high sensitivity, uniformity and broad dynamic range. However, in traditional chemiluminescent immunoassay (CLIA), microplate was applied to immobilize antigen or antibody by physical absorption, which holds a negative effect on the performance of assay because of the low specific surface area of micro-plate.

The use of micromagnetic particles (MMPs) have proven to be a support for addressing the shortage of traditional CLIA mentioned above. The chemiluminescent immunoassay is a technique used for disease diagnosis, drug development, chemical reaction monitoring, and many other applications.

The MMPs-based chemiluminescence immunoassays could improve the surface area for immobilization, capture efficiency and accuracy of the assay, thus obtaining higher sensitivity and shorter analysis time.

Clinical and Translational Updates

Please contact us via TechSupport@acrobiosystems.com if you have any question on this product.

Discounts, Gifts,
and more!

