

Human Mg (2+) ATPase ELISA Kit | Mg (2+) ATPase elisa kit

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CATALOG #
AAA96738

REACTIVITY
Human

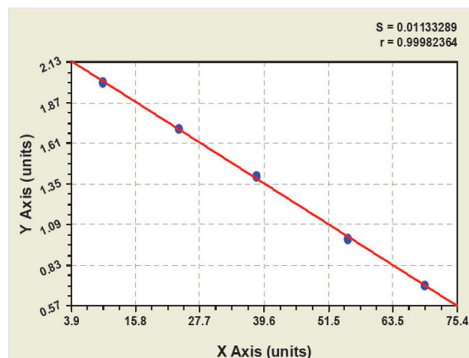
PRODUCT SYNONYMS

Mg (2+) ATPase; Human Mg (2+) ATPase ELISA Kit; Mg (2+) ATPase elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Mg (2+) ATPase elisa kit

Principle of the assay: Mg(2+)-ATPaseELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-Mg(2+)-ATPaseantibody and an MG(2+)-ATPASE-HRP conjugate. The assay sample and buffer are incubated together with MG(2+)-ATPASE-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the Mg(2+)-ATPaseconcentration since Mg(2+)-ATPasefrom samples and MG(2+)-ATPASE-HRP conjugate compete for the anti-Mg(2+)-ATPaseantibody binding site. Since the number of sites is limited, as more sites are occupied by Mg(2+)-ATPasefrom the sample, fewer sites are left to bind MG(2+)-ATPASE-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Mg(2+)-ATPaseconcentration in each sample is interpolated from this standard curve.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/mg-2-atpase/96738>