

Rat alpha1-microglobulin ELISA Kit | alpha1-MG elisa kit

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CATALOG #
AAA86582

REACTIVITY
Rat

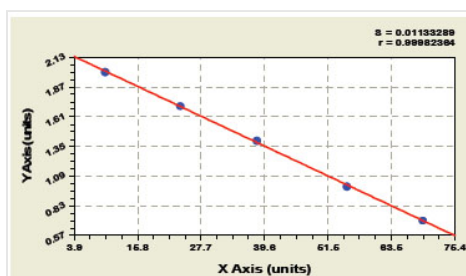
PRODUCT SYNONYMS

alpha1-microglobulin; Rat alpha1-microglobulin ELISA Kit; a1-microglobulin; alpha1-microglobulin (Rat); alpha1-MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This alpha1-MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat alpha1-MG. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for alpha1-MG elisa kit

Principle of the assay: alpha1-MG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-alpha1-MG antibody and an alpha1-MG-HRP conjugate. The assay sample and buffer are incubated together with alpha1-MG-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 alpha1-MG concentration since alpha1-MG from samples and alpha1-MG-HRP conjugate compete for the anti-alpha1-MG antibody binding site. Since the number of sites is limited, as more sites are occupied by alpha1-MG from the sample, fewer sites are left to bind alpha1-MG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alpha1-MG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for alpha1-MG elisa kit

Rat ELISA Kit

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://stage.aaabiotech.com/alpha1-mg-rat-elisa-kits/alpha1-microglobulin/86582>