

Rat beta2 Microglobulin ELISA Kit | beta2-MG elisa kit

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CATALOG #
AAA83124

REACTIVITY
Rat

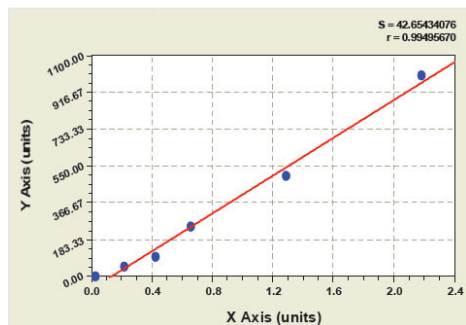
PRODUCT SYNONYMS

beta2 Microglobulin; Rat beta2 Microglobulin ELISA Kit; Rat b2 Microglobulin ELISA Kit; beta2-MG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	50-1000ng/mL
Sensitivity	1.0ng/ml
Intended Uses	This beta2-MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat beta2-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 beta2-MG elisa kit

Principle of the Assay: beta2-MG ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for beta 2-MG. Standards or samples are then added to the microtiter plate wells and beta2-MG if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of beta2-MG present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for beta2-MG are added to each well to "sandwich" the beta2-MG immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain beta2-MG and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The beta2-MG concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	290491208
NCBI GeneID	100379556
NCBI Accession #	NP_001166327.1
NCBI GenBank Nucleotide #	NM_001172856.1
NCBI Official Full Name	beta-2-microglobulin
NCBI Official Symbol	B2m
NCBI Protein Information	beta-2-microglobulin; beta2 microglobulin

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/beta2-mg-rat-elisa-kits/beta2-microglobulin/83124>