

Bovine beta2 Microglobulin ELISA Kit | beta2-MG elisa kit

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CATALOG #
AAA89224

REACTIVITY
Bovine

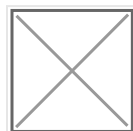
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Specificity	This assay has high sensitivity and excellent specificity for detection of beta2MG. No significant cross-reactivity or interference between beta2MG and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between beta2MG and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ?g/mL
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

Intended Uses: This beta2MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine beta2MG. This ELISA kit for research use only, not for therapeutic or test applications!

Principle of the Assay: beta2MG ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-beta2MG antibody and an beta2MG-HRP conjugate. The assay sample and buffer are incubated together with beta2MG-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 beta2MG concentration since beta2MG from samples and beta2MG-HRP conjugate compete for the anti-beta2MG antibody binding site. Since the number of sites is limited, as more sites are occupied by beta2MG from the sample, fewer sites are left to bind beta2MG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The beta2MG concentration in each sample is interpolated from this standard curve.

Product Categories/Family for beta2-MG elisa kit

[Cell Biology](#)

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/beta2-mg-bovine-ovine-elisa-kits/beta2-microglobulin/89224>