

Canine beta2 Microglobulin ELISA Kit | beta2-MG elisa kit

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CATALOG #
AAA91370

REACTIVITY
Canine

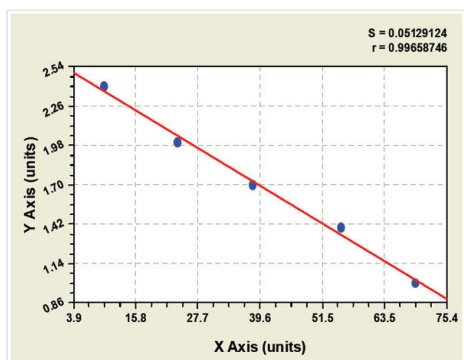
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	2.5-50?g/mL/
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	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This ?2-MG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ?2-MG. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY ?2-MG ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-?2-MG antibody and an ?2-MG-HRP conjugate. The assay sample and buffer are incubated together with ?2-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 ?2-MG concentration since ?2-MG from samples and ?2-MG-HRP conjugate compete for the anti-?2-MG antibody binding site. Since the number of sites is limited, as more sites are occupied by ?2-MG from the sample, fewer sites are left to bind ?2-MG-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ?2-MG 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.