

Equine Corticosteroid Binding Globulin (CBG) ELISA Kit | CBG elisa kit

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CATALOG #
AAA97611

REACTIVITY
Equine

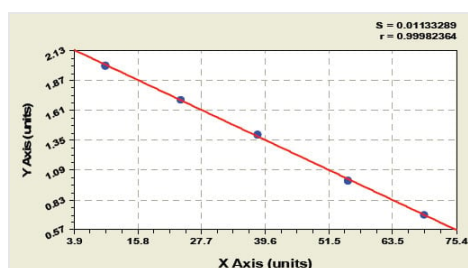
PRODUCT SYNONYMS

Corticosteroid Binding Globulin (CBG); Equine Corticosteroid Binding Globulin (CBG) ELISA Kit; CBG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Equine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	1.0 ng/mL.
Intended Uses	This CBG ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Equine CBG. 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 CBG elisa kit

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