

Canine alpha-1-beta glycoprotein ELISA Kit | A1BG elisa kit

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CATALOG #
AAA93823

REACTIVITY
Canine

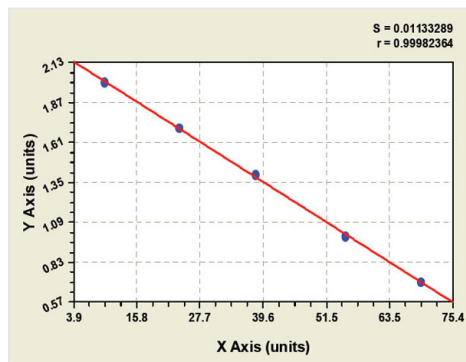
PRODUCT SYNONYMS

alpha-1-beta glycoprotein; Canine alpha-1-beta glycoprotein ELISA Kit; Canine a-1-b glycoprotein ELISA Kit; A1BG elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/mL
Sensitivity	1.0ng/mL
Intended Uses	This alpha1beta GP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine alpha1beta GP. 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 A1BG elisa kit

Principle of the Assay: alpha1beta GP ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-alpha1beta GP antibody and an alpha1beta GP-HRP conjugate. The assay sample and buffer are incubated together with alpha1beta GP-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 alpha1beta GP concentration since alpha1beta GP from samples and alpha1beta GP-HRP conjugate compete for the anti-alpha1beta GP antibody binding site. Since the number of sites is limited, as more sites are occupied by alpha1beta GP from the sample, fewer sites are left to bind alpha1beta GP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The alpha1beta GP concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	21071030
NCBI GeneID	1
NCBI Accession #	NP_570602.2
NCBI GenBank Nucleotide #	NM_130786.3
Molecular Weight	40,718 Da
NCBI Official Full Name	alpha-1B-glycoprotein
NCBI Official Synonym Full Names	alpha-1-B glycoprotein
NCBI Official Symbol	A1BG
NCBI Official Synonym Symbols	A1B; ABG; GAB; HYST2477
NCBI Protein Information	alpha-1B-glycoprotein; HEL-S-163pA; epididymis secretory sperm binding protein Li 163pA
UniProt Protein Name	Alpha-1B-glycoprotein
UniProt Gene Name	A1BG
UniProt Entry Name	A1BG_HUMAN

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/a1bg-canine-elisa-kits/alpha-1-beta-glycoprotein/93823>