

Canine Actin Beta ELISA Kit | ACTb elisa kit

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CATALOG #
AAA88555

REACTIVITY
Canine

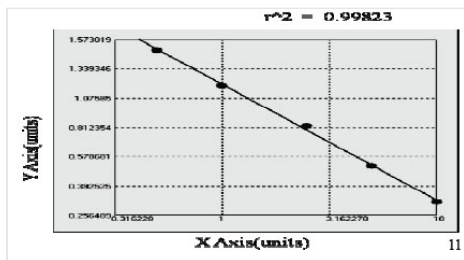
PRODUCT SYNONYMS

Actin Beta; Canine Actin Beta ELISA Kit; ACTb elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This ACTbeta ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine ACTbeta. 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 ACTb elisa kit

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

Product Categories/Family for ACTb elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	117167827
NCBI GeneID	60
Molecular Weight	41,737 Da
NCBI Official Full Name	ACTB protein, partial
NCBI Official Synonym Full Names	actin, beta
NCBI Official Symbol	ACTB
NCBI Official Synonym Symbols	BRWS1; PS1TP5BP1
NCBI Protein Information	actin, cytoplasmic 1; beta cytoskeletal actin; PS1TP5-binding protein 1
UniProt Protein Name	Actin, cytoplasmic 1
UniProt Gene Name	ACTB
UniProt Entry Name	ACTB_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/actb-canine-elisa-kits/actin-beta/88555>