

Mouse Actin Beta ELISA Kit | ACTb elisa kit

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CATALOG #
AAA85724

REACTIVITY
Mouse

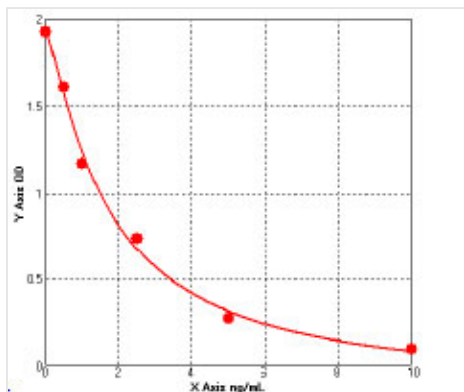
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of ACTb. No significant cross-reactivity or interference between ACTb and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between ACTb 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 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for ACTb elisa kit	Intended Uses: This ACTb ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse ACTb. This ELISA kit for research use only! Principle of the Assay: ACTb ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-ACTb antibody and an ACTb-HRP conjugate. The assay sample and buffer are incubated together with ACTb-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 ACTb concentration since ACTb from samples and ACTb-HRP conjugate compete for the anti-ACTb antibody binding site. Since the number of sites is limited, as more sites are occupied by ACTb from the sample, fewer sites are left to bind ACTb-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The ACTb 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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/actb-mouse-elisa-kits/actin-beta/85724>