

Rat Beta actin ELISA Kit | beta-actin elisa kit

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CATALOG #
AAA100849

REACTIVITY
Rat

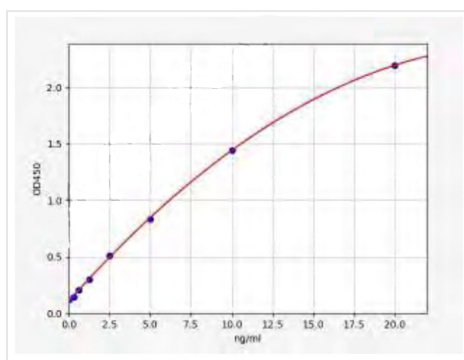
PRODUCT SYNONYMS

Beta actin; Rat Beta actin ELISA Kit; b-actin/ACTB/actin; beta/actin; cytoplasmic 1/beta cytoskeletal actin/Beta-actin/PS1TP5-binding protein 1/PS1TP5BP1 ; beta-actin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	Specifically recognize beta-actin, no obvious cross reaction with other analogues
Sequence Length	243
Assay Type	Sandwich
Samples	Cell lysates, tissue homogenates and other biological samples
Detection Range	0.313-20ng/ml
Sensitivity	0.188ng/ml
Intra-assay Precision	Intra-assay Precision: samples with low, medium and high concentration are tested 20 times on same plate.
Inter-assay Precision	Inter-assay Precision: samples with low, medium and high concentration are tested 20 times on three different plates.
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for beta-actin elisa kit	Background: beta-Actin belongs to the actin protein family, which is expressed by all eukaryotic cells. The abnormal expression and polymerization of ACTB and the resulting changes to the cytoskeleton are revealed to be associated with the invasiveness and metastasis of cancers. Diseases associated with ACTB include Baraitser-Winter Syndrome 1 and Dystonia-Deafness Syndrome 1. Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti beta-actin antibody was precoated onto the 96-well plate. The biotin conjugated anti beta-actin antibody was used as the detection antibody. The standards and pilot samples were added to the wells subsequently. After incubation, unbound conjugates were removed by wash buffer. Then, biotinylated detection antibody was added to bind with beta-actin conjugated on coated antibody. After washing off unbound conjugates, HRP-Streptavidin was added. After a third washing, TMB substrates were added to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that turned yellow after adding a stop solution. Read the O.D. absorbance at 450nm in a microplate reader. The concentration of beta-actin in the sample was calculated by drawing a standard curve. The concentration of the target substance is proportional to the OD450 value.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	925170753
Molecular Weight	25,609 Da
NCBI Official Full Name	beta-actin, partial
UniProt Protein Name	Beta-actin
UniProt Gene Name	beta-actin
UniProt Entry Name	A0A0M4G463_ACIRT

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/rat-elisa-kits/beta-actin/100849>