

Beta Actin (ACTB) CLIA Kit | ACTB clia kit

Multi-species Beta Actin (ACTB) CLIA Kit

CATALOG # AAA189019	REACTIVITY Human, Mouse, Rat	APPLICATIONS CLIA (Chemiluminescence Immunoassay)
-------------------------------	--	---

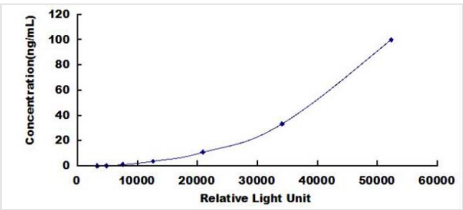
PRODUCT SYNONYMS

Beta Actin (ACTB); Multi-species Beta Actin (ACTB) CLIA Kit; Human/Mouse/Rat Beta Actin (ACTB) (Sandwich CLIA) CLIA Kit; Actin Beta; ACT-B; PS1TP5BP1; Actin; cytoplasmic 1; N-terminally processed; ACTB clia kit

PRODUCT SPECIFICATIONS

Reactivity	Human, Mouse, Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Beta Actin (ACTB). No significant cross-reactivity or interference between Beta Actin (ACTB) and analogues was observed.
Sequence Length	186
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.14-100ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.05ng/mL
Applicable Applications for ACTB clia kit	CLIA (Chemiluminescence Immunoassay)
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Beta Actin (ACTB) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Beta Actin (ACTB) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ Intra-Assay: CV<10% Inter-Assay: CV<12%
Test Principle	The microplate provided in this kit has been pre-coated with an antibody specific to Beta Actin (ACTB). Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to Beta Actin (ACTB). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then the mixture of substrate A and B is added to generate glow light emission kinetics. Upon plate development, the intensity of the emitted light is proportional to the Beta Actin (ACTB) level in the sample or standard.
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

NCBI AND UNIPROT INFORMATION

NCBI GI #	1028915305
NCBI Official Full Name	Beta-actin

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/human-mouse-rat-clia-kits/beta-actin-actb/189019>