

Mouse PKBa (Protein Kinase B Alpha) ELISA Kit | PKBa elisa kit

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CATALOG #
AAA275090

REACTIVITY
Mouse

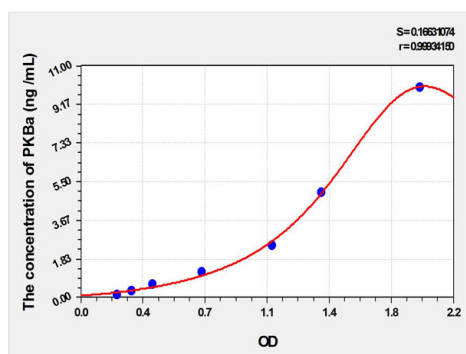
PRODUCT SYNONYMS

PKBa (Protein Kinase B Alpha); Mouse PKBa (Protein Kinase B Alpha) ELISA Kit; AKT1; AKT; PKB-A; Proto-oncogene c-Akt; RAC-Alpha Serine/Threonine-Protein Kinase; V-akt Murine Thymoma Viral Oncogene Homolog 1; PKBa elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Mouse PKBa. No significant cross-reactivity or interference between Mouse PKBa and analogues was observed.
Assay Type	Sandwich
Detection Range	0.16-10 ng/mL
Sensitivity	0.055 ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay)? CV%<8%. Three samples of known concentration were tested twenty times on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-assay Precision (Precision between assays)? CV%<10%. Three samples of known concentration were tested in forty separate assays to assess inter-assay precision.
Preparation and Storage	Store at 2-8 degree C. Stable for 6 months from date of receipt.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PKBa elisa kit	Principle of the Assay: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Protein Kinase B Alpha(PKBa). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Protein Kinase B Alpha(PKBa). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Protein Kinase B Alpha(PKBa), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Protein Kinase B Alpha(PKBa) in the samples is then determined by comparing the OD of the samples to the standard curve.
Product Categories/Family for PKBa elisa kit	Enzyme & Kinase

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/mouse-elisa-kits/pkba-protein-kinase-b-alpha/275090>