

Human AKT Protein ELISA Kit | AKT elisa kit

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CATALOG #
AAA247144

REACTIVITY
Human

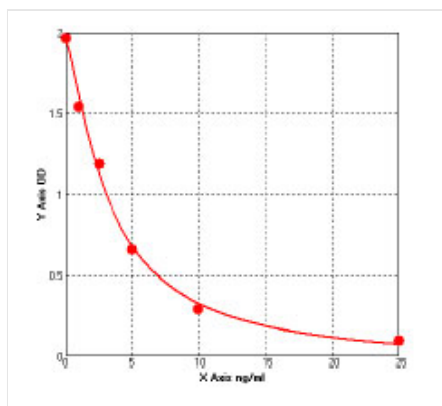
PRODUCT SYNONYMS

AKT Protein; Human AKT Protein ELISA Kit; AKT elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of AKT. No significant cross-reactivity or interference between AKT and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between AKT and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	473
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AKT elisa kit	Principle of the Assay: AKT ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-AKT antibody and an AKT-HRP conjugate. The assay sample and buffer are incubated together with AKT-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 AKT concentration since AKT from samples and AKT-HRP conjugate compete for the anti-AKT antibody binding site. Since the number of sites is limited, as more sites are occupied by AKT from the sample, fewer sites are left to bind AKT-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The AKT concentration in each sample is interpolated from this standard curve. Intended Uses: This AKT ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human AKT. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	197734677
NCBI GeneID	100303458
Molecular Weight	54,574 Da
NCBI Official Full Name	akt protein
NCBI Official Symbol	akt3-like
NCBI Official Synonym Symbols	akt
NCBI Protein Information	v-akt murine thymoma viral oncogene homolog 3 (protein kinase B, gamma)-like
UniProt Protein Name	Akt protein
UniProt Gene Name	akt

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-elisa-kits/akt-protein/247144>