

Human ku86 ELISA Kit | ku86 elisa kit

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CATALOG #
AAA96894

REACTIVITY
Human

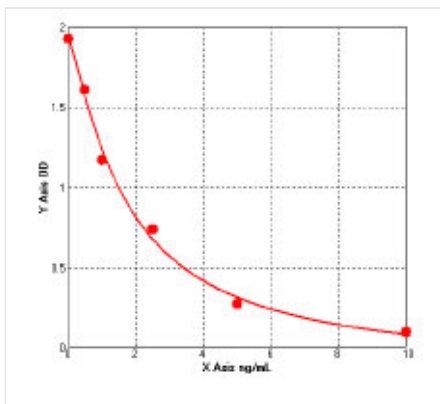
PRODUCT SYNONYMS

ku86; Human ku86 ELISA Kit; ku86 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Ku86. No significant cross-reactivity or interference between Ku86 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between Ku86 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
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 ku86 elisa kit	Principle of the Assay: Ku86 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-Ku86 antibody and an Ku86-HRP conjugate. The assay sample and buffer are incubated together with Ku86-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 Ku86 concentration since Ku86 from samples and Ku86-HRP conjugate compete for the anti-Ku86 antibody binding site. Since the number of sites is limited, as more sites are occupied by Ku86 from the sample, fewer sites are left to bind Ku86-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The Ku86 concentration in each sample is interpolated from this standard curve. Intended Uses: This Ku86 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human Ku86. This ELISA kit for research use only, not for therapeutic or test applications!
Product Categories/Family for ku86 elisa kit	Epigenetics and Nuclear Signaling

NCBI AND UNIPROT INFORMATION

NCBI GI #	2745857
NCBI GeneID	7520
Molecular Weight	82,705 Da
NCBI Official Full Name	Ku86 autoantigen related protein 1, partial
NCBI Official Synonym Full Names	X-ray repair complementing defective repair in Chinese hamster cells 5 (double-strand-break rejoining)
NCBI Official Symbol	XRCC5
NCBI Official Synonym Symbols	KU80; KUB2; Ku86; NFIV; KARP1; KARP-1
NCBI Protein Information	X-ray repair cross-complementing protein 5; TLAA; CTC85; CTCBF; nuclear factor IV; Ku autoantigen, 80kDa; DNA repair protein XRCC5; thyroid-lupus autoantigen; 86 kDa subunit of Ku antigen; lupus Ku autoantigen protein p86; Ku86 autoantigen related protein 1; CTC box-binding factor 85 kDa subunit; ATP-dependent DNA helicase 2 subunit 2; ATP-dependent DNA helicase II 80 kDa subunit
UniProt Protein Name	X-ray repair cross-complementing protein 5
UniProt Gene Name	XRCC5
UniProt Synonym Gene Names	G22P2; CTC85; CTCBF; TLAA
UniProt Entry Name	XRCC5_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/ku86/96894>