

Human X-Ray Repair Cross Complementing 6 (XRCC6) ELISA Kit | XRCC6 elisa kit

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CATALOG #
AAA183262

REACTIVITY
Human

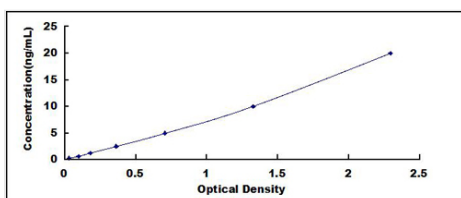
PRODUCT SYNONYMS

X-Ray Repair Cross Complementing 6 (XRCC6); Human X-Ray Repair Cross Complementing 6 (XRCC6) ELISA Kit; Ku70; CTC75; CTCBF; G22P1; ML8; TLAA; Lupus Ku Autoantigen Protein P70; ATP-Dependent DNA Helicase 2 Subunit 1; CTC box-binding factor 75 kDa; Thyroid-lupus autoantigen; XRCC6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of X-Ray Repair Cross Complementing 6 (XRCC6). No significant cross-reactivity or interference between X-Ray Repair Cross Complementing 6 (XRCC6) and analogues was observed.
Sequence Length	559
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates and Other Biological Fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.124ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level X-Ray Repair Cross Complementing 6 (XRCC6) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level X-Ray Repair Cross Complementing 6 (XRCC6) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
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)

ADDITIONAL INFORMATION

Related Product Information for XRCC6 elisa kit	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 X-Ray Repair Cross Complementing 6 (XRCC6). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to X-Ray Repair Cross Complementing 6 (XRCC6). 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 X-Ray Repair Cross Complementing 6 (XRCC6), 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 X-Ray Repair Cross Complementing 6 (XRCC6) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	573014819
NCBI GeneID	2547
NCBI Accession #	NP_001275907.1
NCBI GenBank Nucleotide #	NM_001288978.1
Molecular Weight	65,149 Da
NCBI Official Full Name	X-ray repair cross-complementing protein 6 isoform 3
NCBI Official Synonym Full Names	X-ray repair cross complementing 6
NCBI Official Symbol	XRCC6
NCBI Official Synonym Symbols	ML8; KU70; TLAA; CTC75; CTCBF; G22P1
NCBI Protein Information	X-ray repair cross-complementing protein 6
UniProt Protein Name	X-ray repair cross-complementing protein 6
UniProt Gene Name	XRCC6
UniProt Synonym Gene Names	G22P1; 5'-dRP lyase Ku70; CTC75; CTCBF; Ku70; TLAA

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/human-elisa-kits/x-ray-repair-cross-complementing-6-xrcc6/183262>