

Human Xeroderma Pigmentosum, Complementation Group C (XPC) ELISA Kit | XPC elisa kit

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CATALOG # AAA63305	REACTIVITY Human
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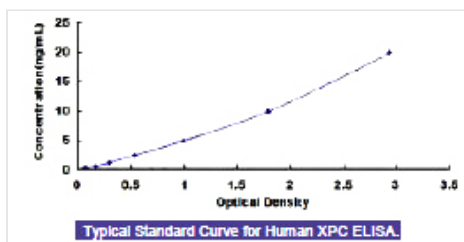
PRODUCT SYNONYMS

Xeroderma Pigmentosum; Complementation Group C (XPC); Human Xeroderma Pigmentosum; Complementation Group C (XPC) ELISA Kit; CCS; Copper Chaperone For Superoxide Dismutase; XPC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of XPC. No significant cross-reactivity or interference between XPC and analogues was observed.
Sequence Length	940
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.115ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level XPC were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level XPC were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for XPC elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of XPC in human tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to XPC. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to XPC. 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 XPC, 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 XPC 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 #	224809295
NCBI GeneID	7508
NCBI Accession #	NP_004619.3
NCBI GenBank Nucleotide #	NM_004628.4
UniProt Accession #	Q01831; Q53GT7; Q96AX0; B4DIP3; E9PB96; E9PH69
Molecular Weight	15,712 Da
NCBI Official Full Name	DNA repair protein complementing XP-C cells
NCBI Official Synonym Full Names	XPC complex subunit, DNA damage recognition and repair factor
NCBI Official Symbol	XPC
NCBI Official Synonym Symbols	XP3; RAD4; XPCC; p125
NCBI Protein Information	DNA repair protein complementing XP-C cells
UniProt Protein Name	DNA repair protein complementing XP-C cells
UniProt Gene Name	XPC
UniProt Synonym Gene Names	XPCC

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/xeroderma-pigmentosum-complementation-group-c-xpc/63305>