

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

Human Xeroderma Pigmentosum, Complementation Group C ELISA Kit

CATALOG #
AAA97513

REACTIVITY
Human

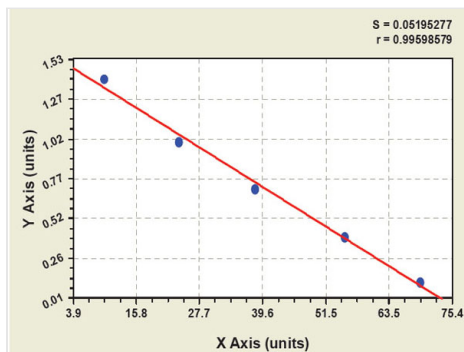
PRODUCT SYNONYMS

Xeroderma Pigmentosum; Complementation Group C; Human Xeroderma Pigmentosum; Complementation Group C ELISA Kit; XPC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for XPC elisa kit

Principle of the assay: XPC ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-XPC antibody and an XPC-HRP conjugate. The assay sample and buffer are incubated together with XPC-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 XPC concentration since XPC from samples and XPC-HRP conjugate compete for the anti-XPC antibody binding site. Since the number of sites is limited, as more sites are occupied by XPC from the sample, fewer sites are left to bind XPC-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The XPC concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	16741636
NCBI GeneID	7508
Molecular Weight	15,712 Da
NCBI Official Full Name	Xeroderma pigmentosum, complementation group C
NCBI Official Synonym Full Names	xeroderma pigmentosum, complementation group C
NCBI Official Symbol	XPC
NCBI Official Synonym Symbols	XP3; RAD4; XPCC; p125
NCBI Protein Information	DNA repair protein complementing XP-C cells; mutant xeroderma pigmentosum group C
UniProt Protein Name	DNA repair protein complementing XP-C cells
UniProt Gene Name	XPC
UniProt Synonym Gene Names	XPCC
UniProt Entry Name	XPC_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/xpc-human-elisa-kits/xeroderma-pigmentosum-complementation-group-c/97513>