

Human DNA Repair Protein Complementing XP-C Cells (XPC) ELISA Kit | XPC elisa kit

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CATALOG #
AAA330244

REACTIVITY
Human

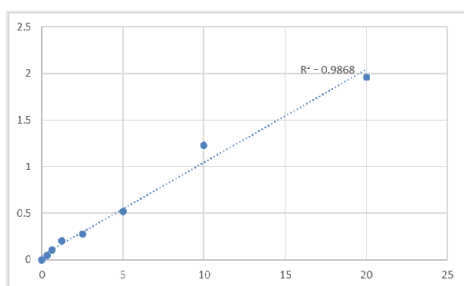
PRODUCT SYNONYMS

DNA Repair Protein Complementing XP-C Cells (XPC); Human DNA Repair Protein Complementing XP-C Cells (XPC) ELISA Kit; XPC; RAD4; XP3; XPCC; xeroderma pigmentosum group C protein; XPC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human DNA repair protein complementing XP-C cells (XPC) ELISA Kit has high sensitivity and excellent specificity for detection of Human XPC. No significant cross-reactivity or interference between Human XPC and analogues was observed.
Sequence Length	940
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human DNA repair protein complementing XP-C cells (XPC) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for XPC elisa kit	Description: This Human DNA repair protein complementing XP-C cells (XPC) ELISA Kit employs a two-site sandwich ELISA to quantitate XPC in samples. An antibody specific for XPC has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any XPC present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for XPC is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of XPC bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Xeroderma pigmentosum, complementation group C, also known as XPC, is a component of the nucleotide excision repair (NER) pathway. There are multiple components involved in the NER pathway, including Xeroderma pigmentosum (XP) A-G and V, Cockayne syndrome (CS) A and B, and trichothiodystrophy (TTD) group A, etc. This component, XPC, plays an important role in the early steps of global genome NER, especially in damage recognition, open complex formation, and repair protein complex formation. Mutations in this gene or some other NER components result in Xeroderma pigmentosum, a rare autosomal recessive disorder characterized by increased sensitivity to sunlight with the development of carcinomas at an early age.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	224809295
NCBI GeneID	7508
NCBI Accession #	NP_004619.3
NCBI GenBank Nucleotide #	NP_004619.3
UniProt Accession #	Q01831
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
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/dna-repair-protein-complementing-xp-c-cells-xpc/330244>