

Human Xeroderma Pigmentosum, Complementation Group D (XPD) ELISA Kit | XPD elisa kit

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CATALOG # AAA68459	REACTIVITY Human
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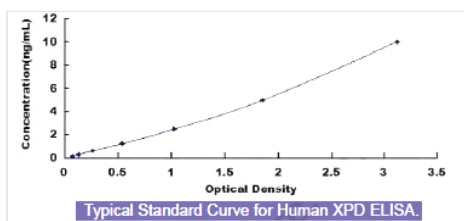
PRODUCT SYNONYMS

Xeroderma Pigmentosum; Complementation Group D (XPD); Human Xeroderma Pigmentosum; Complementation Group D (XPD) ELISA Kit; CXPB; BTF2 p80; EM9; TTD; ERCC2; TFIIH basal transcription factor complex 80 kDa; De Sanctis-Cacchione; Excision Repair Cross-Complementing Rodent Repair Deficiency 2; XPD elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of XPD. No significant cross-reactivity or interference between XPD and analogues was observed.
Sequence Length	760
Samples	Serum, plasma, tissue homogenates and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.056ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level XPD 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 XPD were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for XPD elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of XPD in human serum, plasma, tissue homogenates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to XPD. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to XPD. 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 XPD, 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 XPD 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 #	15834617
NCBI GeneID	2068
NCBI Accession #	NP_000391.1
NCBI GenBank Nucleotide #	NM_000400.3
UniProt Accession #	P18074; Q2TB78; Q2YDY2; Q7KZU6; Q8N721
Molecular Weight	46,274 Da
NCBI Official Full Name	TFIIH basal transcription factor complex helicase XPD subunit isoform 1
NCBI Official Synonym Full Names	ERCC excision repair 2, TFIIH core complex helicase subunit
NCBI Official Symbol	ERCC2
NCBI Official Synonym Symbols	EM9; TTD; XPD; TTD1; COFS2; TFIIH
NCBI Protein Information	TFIIH basal transcription factor complex helicase XPD subunit
UniProt Protein Name	TFIIH basal transcription factor complex helicase XPD subunit
UniProt Gene Name	ERCC2
UniProt Synonym Gene Names	XPD; XPDC; BTF2 p80; TFIIH 80 kDa subunit; TFIIH p80

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.