

Human Ferredoxin Reductase (FDXR) ELISA Kit | FDXR elisa kit

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CATALOG #
AAA189835

REACTIVITY
Human

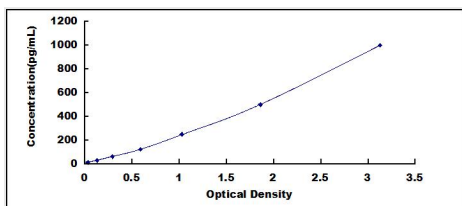
PRODUCT SYNONYMS

Ferredoxin Reductase (FDXR); Human Ferredoxin Reductase (FDXR) ELISA Kit; ADXR; AR; Adrenodoxin Oxidoreductase; Mitochondrial; Adrenodoxin reductase; Ferredoxin--NADP(+) reductase; FDXR/Ferredoxin Reductase; FDXR elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FDXR. No significant cross-reactivity or interference between FDXR and analogues was observed.
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	< 5.8pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FDXR 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 FDXR were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	Store at 4 degree C for 1 month/-20 degree C for long-term (within shelf life) Shelf Life: 8 months 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 FDXR elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to FDXR. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to FDXR. 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 FDXR, 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 FDXR in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of FDXR in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for FDXR elisa kit	Enzyme & Kinase

NCBI AND UNIPROT INFORMATION

NCBI GI #	85681283
NCBI GeneID	2232
UniProt Accession #	P22570; Q13716; Q4PJI0; Q9BU12; B4DDI7; B4DHX5; B4DQQ4; B4DX24; B7Z7G2; E7EQC1
Molecular Weight	491
NCBI Official Full Name	NADPH:adrenodoxin oxidoreductase, mitochondrial
NCBI Official Synonym Full Names	ferredoxin reductase
NCBI Official Symbol	FDXR
NCBI Official Synonym Symbols	ADXR
NCBI Protein Information	NADPH:adrenodoxin oxidoreductase, mitochondrial; AR; adrenodoxin reductase; adrenodoxin-NADP(+) reductase; ferredoxin--NADP(+) reductase
UniProt Protein Name	NADPH:adrenodoxin oxidoreductase, mitochondrial
UniProt Gene Name	FDXR
UniProt Synonym Gene Names	ADXR; AR; Adrenodoxin reductase; Ferredoxin reductase
UniProt Entry Name	ADRO_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.