

Human Fibronectin type III domain containing protein 4 (FNDC4) ELISA Kit | FNDC4 elisa kit

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CATALOG #
AAA244743

REACTIVITY
Human

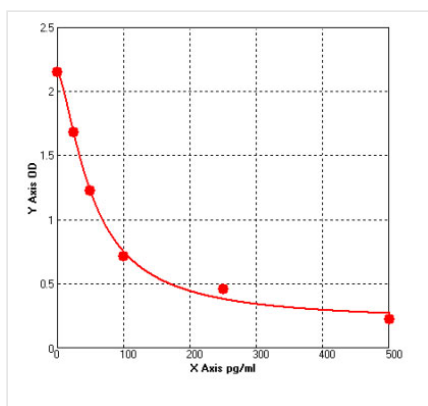
PRODUCT SYNONYMS

Fibronectin type III domain containing protein 4 (FNDC4); Human Fibronectin type III domain containing protein 4 (FNDC4) ELISA Kit; FNDC4 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FNDC4. No significant cross-reactivity or interference between FNDC4 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between FNDC4 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FNDC4 elisa kit	Principle of the Assay: FNDC4 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-FNDC4 antibody and an FNDC4-HRP conjugate. The assay sample and buffer are incubated together with FNDC4-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 FNDC4 concentration since FNDC4 from samples and FNDC4-HRP conjugate compete for the anti-FNDC4 antibody binding site. Since the number of sites is limited, as more sites are occupied by FNDC4 from the sample, fewer sites are left to bind FNDC4-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The FNDC4 concentration in each sample is interpolated from this standard curve. Intended Uses: This FNDC4 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human FNDC4. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	12383064
NCBI GeneID	64838
NCBI Accession #	NP_073734.1
NCBI GenBank Nucleotide #	NM_022823.2
Molecular Weight	25,159 Da
NCBI Official Full Name	fibronectin type III domain-containing protein 4
NCBI Official Synonym Full Names	fibronectin type III domain containing 4
NCBI Official Symbol	FNDC4
NCBI Official Synonym Symbols	FRCP1
NCBI Protein Information	fibronectin type III domain-containing protein 4; fibronectin type III repeat-containing protein 1
UniProt Protein Name	Fibronectin type III domain-containing protein 4
UniProt Gene Name	FNDC4
UniProt Synonym Gene Names	FRCP1; UNQ6389/PRO21134
UniProt Entry Name	FNDC4_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.