

Human Fibronectin type III domain-containing protein 5 ELISA Kit | FNDC5 elisa kit

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CATALOG #
AAA100742

REACTIVITY
Human

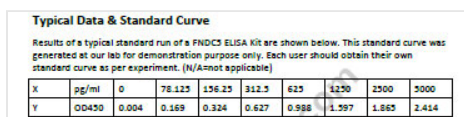
PRODUCT SYNONYMS

Fibronectin type III domain-containing protein 5; Human Fibronectin type III domain-containing protein 5 ELISA Kit; FNDC5/Fibronectin type III domain-containing protein 5/Fibronectin type III repeat-containing protein 2/Irisin/FRCP2; FNDC5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of FNDC5. No significant cross-reactivity or interference between FNDC5 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross - reactivity detection between FNDC5 and all the analogues, therefore, cross reaction may still exist.
Sequence Length	209
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	78.125-5000pg/ml
Sensitivity	46.875pg/ml
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level FNDC5 were tested 20 times on one plate, respectively. Intra-Assay: CV<8%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level FNDC5 were tested on 3 different plates, 8 replicates in each plate. CV (%) = SD/meanX100. Inter-Assay: CV<10%
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for FNDC5 elisa kit

Principle of the Assay: This kit was based on sandwich enzyme-linked immune-sorbent assay technology. Anti-FNDC5 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-FNDC5 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the FNDC5 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of FNDC5 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	47059145
NCBI GeneID	384061
NCBI Accession #	NP_081678.1
NCBI GenBank Nucleotide #	NM_027402.3
Molecular Weight	23,321 Da
NCBI Official Full Name	fibronectin type III domain-containing protein 5
NCBI Official Synonym Full Names	fibronectin type III domain containing 5
NCBI Official Symbol	Fndc5
NCBI Official Synonym Symbols	PeP; Pxp; C87088; AI836596; 1500001L03Rik
NCBI Protein Information	fibronectin type III domain-containing protein 5
UniProt Protein Name	Fibronectin type III domain-containing protein 5
UniProt Gene Name	Fndc5
UniProt Synonym Gene Names	Frcp2; Pep; PeP
UniProt Entry Name	FNDC5_MOUSE

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/fndc5-human-elisa-kits/fibronectin-type-iii-domain-containing-protein-5/100742>