

Mouse Fibronectin Type III Domain Containing Protein 5 (FNDC5) ELISA Kit | FNDC5 elisa kit

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CATALOG # AAA129716	REACTIVITY Mouse
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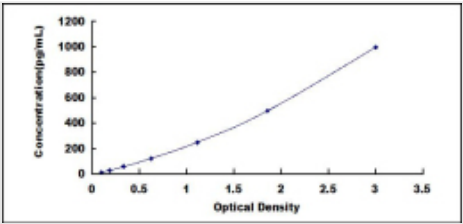
PRODUCT SYNONYMS

Fibronectin Type III Domain Containing Protein 5 (FNDC5); Mouse Fibronectin Type III Domain Containing Protein 5 (FNDC5) ELISA Kit; FRCP2; Irisin; •Fibronectin type III repeat-containing protein 2; FNDC5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Fibronectin Type III Domain Containing Protein 5 (FNDC5). No significant cross-reactivity or interference between Fibronectin Type III Domain Containing Protein 5 (FNDC5) and analogues was observed.
Sequence Length	209
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma and other biological fluids
Detection Range	15.6-1,000pg/mL
Sensitivity	6.5pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Fibronectin Type III Domain Containing Protein 5 (FNDC5) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Fibronectin Type III Domain Containing Protein 5 (FNDC5) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	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 FNDC5 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Fibronectin Type III Domain Containing Protein 5 (FNDC5). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Fibronectin Type III Domain Containing Protein 5 (FNDC5). 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 Fibronectin Type III Domain Containing Protein 5 (FNDC5), 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 Fibronectin Type III Domain Containing Protein 5 (FNDC5) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for FNDC5 elisa kit	CD & Adhesion molecule

NCBI AND UNIPROT INFORMATION

NCBI GI #	47059145
NCBI GeneID	384061
NCBI Accession #	NP_081678.1
NCBI GenBank Nucleotide #	NM_027402.3
UniProt Accession #	Q8K4Z2; Q9DB97
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.