

Human Irisin ELISA Kit | Irisin elisa kit

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CATALOG #
AAA177747

REACTIVITY
Human

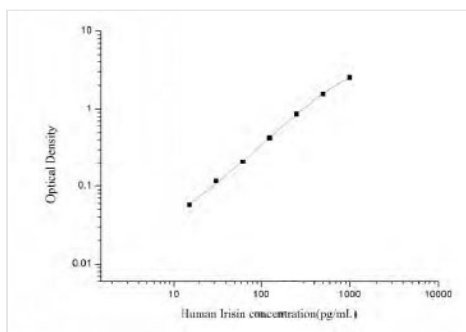
PRODUCT SYNONYMS

Irisin; Human Irisin ELISA Kit; Irisin elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human Irisin in samples. No significant cross-reactivity or interference between Human Irisin and analogues was observed.
Samples	Serum, plasma and other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	15.63-1000pg/mL
Sensitivity	9.38pg/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human Irisin were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human Irisin were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Irisin elisa kit	Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human Irisin concentrations in serum, plasma and other biological fluids. Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human Irisin. Samples (or Standards) and biotinylated detection antibody specific for Human Irisin are added to the micro ELISA plate wells. Human Irisin would combine with the specific antibody. Then Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human Irisin, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 +/- 2 nm. The OD value is proportional to the concentration of Human Irisin. You can calculate the concentration of Human Irisin in the samples by comparing the OD of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	511093995
NCBI GeneID	252995
NCBI Accession #	NP_001165411.2
NCBI GenBank Nucleotide #	NM_001171940.1
UniProt Accession #	Q8NAU1; Q6P6D9; Q7Z676; A6NMC9; D3DPQ6
Molecular Weight	15,527 Da
NCBI Official Full Name	fibronectin type III domain-containing protein 5 isoform 3 preproprotein
NCBI Official Synonym Full Names	fibronectin type III domain containing 5
NCBI Official Symbol	FNDC5
NCBI Official Synonym Symbols	FRCP2; irisin
NCBI Protein Information	fibronectin type III domain-containing protein 5; fibronectin type III repeat-containing protein 2
UniProt Protein Name	Fibronectin type III domain-containing protein 5
UniProt Gene Name	FNDC5
UniProt Synonym Gene Names	FRCP2
UniProt Entry Name	FNDC5_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.