

ARG81196 Irisin ELISA Kit

Package: 96 wells
Store at: 4°C

Summary

Product Description	ARG81196 Irisin ELISA Kit is a Competitive Enzyme Immunoassay kit for the quantification of Irisin in serum and plasma.
Tested Reactivity	Hu, Ms, Rat, Dog
Tested Application	ELISA
Specificity	Irisin (Human, Mouse, Rat, Canine): 100% Irisin (aa. 42-112) (Human, Mouse, Rat, Canine): 100% Irisin, Recombinant (Human, Mouse, Rat, Canine): 100% FNDC5 (Isoform 4) (Human, Mouse, Rat): 9% Irisin precursor, C-terminal / FNDC5 (aa. 165 - 212) (Human) / FNDC5 (aa. 162-209) (Mouse, Rat): 0% Irisin (aa. 42-95) (Human, Mouse, Rat, Canine): 0%
Target Name	Irisin
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm
Sensitivity	6.2 ng/ml
Detection Range	Linear Range: 6.2 - 205 ng/ml
Sample Type	Serum and plasma.
Standard Range	0.1 - 1000 ng/ml
Sample Volume	50 µl
Precision	Intra-Assay CV: less than 10% Inter-Assay CV: less than 15%
Alternate Names	irisin; FRCP2; Fibronectin type III domain-containing protein 5; Fibronectin type III repeat-containing protein 2

Application Instructions

Assay Time	~ 5 hours
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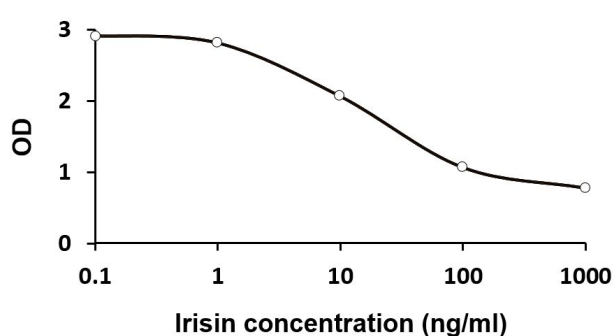
Properties

Form	96 well
Storage instruction	Store the kit at 2-8°C. Keep microplate wells sealed in a dry bag with desiccants. Do not expose test reagents to heat, sun or strong light during storage and usage. Please refer to the product user manual for detail temperatures of the components.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Gene Symbol	FNDC5
Gene Full Name	fibronectin type III domain containing 5
Background	This gene encodes a secreted protein that is released from muscle cells during exercise. The encoded protein may participate in the development of brown fat. Translation of the precursor protein initiates at a non-AUG start codon at a position that is conserved as an AUG start codon in other organisms. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Jun 2013]
Function	Irisin: Contrary to mouse, may not be involved in the beneficial effects of muscular exercise, nor in the induction of browning of human white adipose tissue. [UniProt]
Highlight	Related products: Irisin antibodies ; Irisin ELISA Kits ; New ELISA data calculation tool: Simplify the ELISA analysis by GainData
PTM	The extracellular domain is cleaved and released from the cell membrane. N-Glycosylated.

Images



ARG81196 Irisin ELISA Kit standard curve image

ARG81196 Irisin ELISA Kit results of a typical standard run with optical density reading at 450 nm.