Datasheet for ABIN2745463

FNDC5 ELISA Kit

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Overview

Quantity:	96 tests
Target:	FNDC5
Reactivity:	Human, Mouse, Rat, Monkey
Method Type:	Competition ELISA
Detection Range:	0.001-5 µg/mL
Minimum Detection Limit:	0.001 µg/mL
Application:	ELISA

Product Details

Sample Type:	Cell Culture Supernatant, Plasma, Serum
Analytical Method:	Quantitative
Detection Method:	Colorimetric
Specificity:	Detects human irisin. It should also work in mouse, rat and monkey biological samples.
Cross-Reactivity:	Human, Monkey, Mouse (Murine), Rat (Rattus)
No Cross-Reactivity:	Mouse (Murine)
Cross-Reactivity (Details):	Does not cross-react with FNDC4, human adiponectin, human Nampt, human RBP4, human clusterin, human leptin, human vaspin, human GPX3, human resistin, human ACE2, human lipocalin-2, human ANGPTL3, human ANGPTL6, human DNER, human DLK1, human calreticulin, human IL-33, mouse Nampt, mouse clusterin, mouse vaspin or mouse resistin.
Sensitivity:	1 ng/mL

Product Details

Characteristics:	Irisin Competitive ELISA Kit

Target Details

Target:	FNDC5
Alternative Name:	Irisin (FNDC5 Products)
Background:	Irisin is a recently described exercise-induced hormone secreted by skeletal muscle in mice and humans. Irisin activates beige fat cells (beige cells have a gene expression pattern distinct from either white or brown fat and are preferentially sensitive to the polypeptide hormone Irisin). Irisin is cleaved from the type I membrane protein FNDC5 and improves systemic metabolism by increasing energy expenditure. Circulating irisin levels were shown to be upregulated after acute exercise. Increase of irisin under conditions of obesity may indicate a physiological function to improve glucose tolerance.
UniProt:	Q8NAU1
Pathways:	Hormone Activity, Brown Fat Cell Differentiation, Positive Regulation of fat Cell Differentiation

Application Details

Plate:	Pre-coated
Restrictions:	For Research Use only

Handling

Storage:	4 °C
Storage Comment:	Short Term Storage: +4°C Long Term Storage: +4°C 12 months after the day of manufacturing. See expiry date on ELISA Kit box.