

Dog KIM-1 ELISA Kit | KIM-1 elisa kit

Dog KIM-1

CATALOG # AAA76959	REACTIVITY Dog
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PRODUCT SYNONYMS

KIM-1; Dog KIM-1; KIM-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Dog
Specificity	This ELISA is specific for the measurement of natural and recombinant irisin in various samples. It should also work in mouse, rat and monkey biological samples. It 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, mouse resistin.
Sequence Length	307
Samples	Serum, Plasma And Cell Culture Supernatant
Detection Range	0.001 ~g/ml-5 ~g/ml
Sensitivity	1 ng/ml
Intra-assay Precision	Six samples of known concentrations of irisin were assayed in replicates 8 times to test precision within an assay
Inter-assay Precision	Five samples of known concentration,s of irisin were assay,ed in 5 separate assays to test precision between assays.

ADDITIONAL INFORMATION

Related Product Information for KIM-1 elisa kit	Intended Uses: The Irisin ELISA kit is to be used for the measurement of Irisin in serum, plasma and cell culture supernatant. The sample material can be of human, mouse, rat, or of monkey origin. This ELISA kit is for research use only!!Background/Introduction: Fibronectin type III domain containing (FNDC) family consists of the multiple protein species but has a typified fibronectin type III domain (1-2). Among them FNDC5 also called irisin, hereinafter named irisin, has been identified a myokine which is capable of inducing browning of white adipose tissue leading to brown adipocytes and beige fat cells by stimulating UCP1 expression, via the PGC-1a transcriptional co-activator (3). Irisin is a single-pass type I membrane protein whose secretion could be by a putative signal peptide. Since irisin has been discovered as a soluble protein from the culture supernatant of the myocytes from the muscle-specific PGC-1a transgenic mice the predicted extracellular domain should be cleaved followed by being liberated from the cell surface membrane. Indeed, this was the case by having shown that the presence of the irisin exists in the culture supernatants and human/mouse sera as a 22 kDa protein (3). Irisin is able to induce UCP1 as well as a number of genes manifested in brown adipose tissues. In particular, the level of irisin was increased by muscular exercise in mouse and human, suggesting that irisin plays an important role in obesity and glucose homeostasis.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	2665892
Molecular Weight	33,964 Da
NCBI Official Full Name	kidney injury molecule-1
UniProt Protein Name	Hepatitis A virus cellular receptor 1 homolog

UniProt Gene Name	Havcr1
UniProt Synonym Gene Names	Kim1; HAVcr-1; KIM-1; TIMD-1
UniProt Entry Name	HAVR1_RAT

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://www.aaabiotech.com/dog-elisa-kits/kim-1/76959>