

Human AGRP ELISA Kit | AGRP elisa kit

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CATALOG #
AAA263019

REACTIVITY
Human

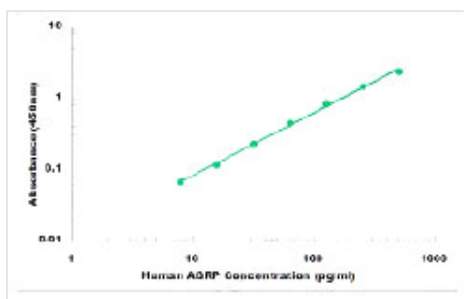
PRODUCT SYNONYMS

AGRP; Human AGRP ELISA Kit; AGRT; ART; Agouti-related protein; AGRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	The Human AGRP ELISA Kit allows for the detection and quantification of endogenous levels of natural and/or recombinant Human AGRP proteins within the range of 7.8 pg/ml - 500 pg/ml.
Sequence Length	132
Samples	Cell Culture Supernates, Serum, Plasma, Urine
Sensitivity	<4 pg/ml
Preparation and Storage	Shipped and store at 4 degree C for 6 months, store at -20 degree C for one year. Avoid freeze/thaw cycles.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGRP elisa kit

Principle of the Assay: The Human AGRP ELISA (Enzyme-Linked Immunosorbent Assay) kit is an in vitro enzyme-linked immunosorbent assay for the quantitative measurement of Human AGRP in Cell Culture Supernates, Serum, Plasma, Urine. This assay employs an antibody specific for Human AGRP coated on a 96-well plate. Standards and samples are pipetted into the wells and AGRP present in a sample is bound to the wells by the immobilized antibody. The wells are washed and biotinylated anti-Human AGRP antibody is added. After washing away unbound biotinylated antibody, HRP-conjugated streptavidin is pipetted to the wells. The wells are again washed, a TMB substrate solution is added to the wells and color develops in proportion to the amount of AGRP bound. The Stop Solution changes the color from blue to yellow, and the intensity of the color is measured at 450 nm.

Background: Agouti-related protein, also called Agouti-related peptide (AgRP), is a neuropeptide produced in the brain by the AgRP/NPY neuron. It is only synthesised in NPY-containing cell bodies located in the ventromedial part of the arcuate nucleus in the hypothalamus. In humans, the agouti-related peptide is encoded by the AGRP gene. AgRP is co-expressed with Neuropeptide Y and works by increasing appetite and decreasing metabolism and energy expenditure. It is one of the most potent and long-lasting of appetite stimulators.

NCBI AND UNIPROT INFORMATION

NCBI GI #	4501995
NCBI GeneID	181
NCBI Accession #	NP_001129.1
NCBI GenBank Nucleotide #	NM_001138.1
UniProt Accession #	O00253; O15459; Q2TBD9
Molecular Weight	14,440 Da
NCBI Official Full Name	agouti-related protein
NCBI Official Synonym Full Names	agouti related neuropeptide
NCBI Official Symbol	AGRP
NCBI Official Synonym Symbols	ART; AGRT; ASIP2
NCBI Protein Information	agouti-related protein
UniProt Protein Name	Agouti-related protein
UniProt Gene Name	AGRP
UniProt Synonym Gene Names	AGRT; ART
UniProt Entry Name	AGRP_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.

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Online datasheet: <https://www.aaabiotech.com/human-elisa-kits/agrp/263019>