

Mouse Agouti Related Protein (AGRP) ELISA Kit | AGRP elisa kit

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CATALOG #
AAA140388

REACTIVITY
Mouse

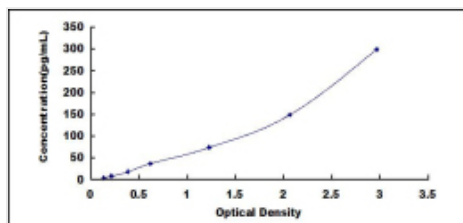
PRODUCT SYNONYMS

Agouti Related Protein (AGRP); Mouse Agouti Related Protein (AGRP) ELISA Kit; AGRT; ASIP2; ART; Agouti-Related Peptide; AGRP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Specificity	This assay has high sensitivity and excellent specificity for detection of Agouti Related Protein (AGRP). No significant cross-reactivity or interference between Agouti Related Protein (AGRP) and analogues was observed.
Sequence Length	132
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell culture supernates and other biological fluids
Detection Range	31.2-2000pg/mL
Sensitivity	11.7pg/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Agouti Related Protein (AGRP) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Agouti Related Protein (AGRP) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for AGRP elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Agouti Related Protein (AGRP). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Agouti Related Protein (AGRP). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Agouti Related Protein (AGRP), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Agouti Related Protein (AGRP) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for AGRP elisa kit	Signal transduction; Metabolic pathway; Neuroscience; Hormone metabolism

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/mouse-elisa-kits/agouti-related-protein-agrp/140388>