

ARG81577 Human AGRP / Agouti-related protein ELISA Kit

Package: 96 wells
Store at: 4°C

Component

Cat. No.	Component Name	Package	Temp
ARG81577-001	Antibody-coated microplate	8 X 12 strips	4°C. Unused strips should be sealed tightly in the air-tight pouch.
ARG81577-002	Standard	2 X 10 ng/vial	4°C
ARG81577-003	Standard/Sample diluent	30 ml (Ready to use)	4°C
ARG81577-004	Antibody conjugate concentrate (100X)	1 vial (100 µl)	4°C
ARG81577-005	Antibody diluent buffer	12 ml (Ready to use)	4°C
ARG81577-006	HRP-Streptavidin concentrate (100X)	1 vial (100 µl)	4°C
ARG81577-007	HRP-Streptavidin diluent buffer	12 ml (Ready to use)	4°C
ARG81577-008	25X Wash buffer	20 ml	4°C
ARG81577-009	TMB substrate	10 ml (Ready to use)	4°C (Protect from light)
ARG81577-010	STOP solution	10 ml (Ready to use)	4°C
ARG81577-011	Plate sealer	4 strips	Room temperature

Summary

Product Description	ARG81577 Human AGRP / Agouti-related protein ELISA Kit is an Enzyme Immunoassay kit for the quantification of Human AGRP / Agouti-related protein in serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	There is no detectable cross-reactivity with other relevant proteins.
Target Name	AGRP / Agouti related protein
Conjugation	HRP
Conjugation Note	Substrate: TMB and read at 450 nm.
Sensitivity	3.9 pg/ml
Sample Type	Serum, plasma (heparin, EDTA, citrate), urine and cell culture supernatants.
Standard Range	7.8 - 500 pg/ml
Sample Volume	100 µl

Precision	Intra-Assay CV: 4.2% Inter-Assay CV: 5.2%
Alternate Names	Agouti-related protein; AGRT; ART; ASIP2

Application Instructions

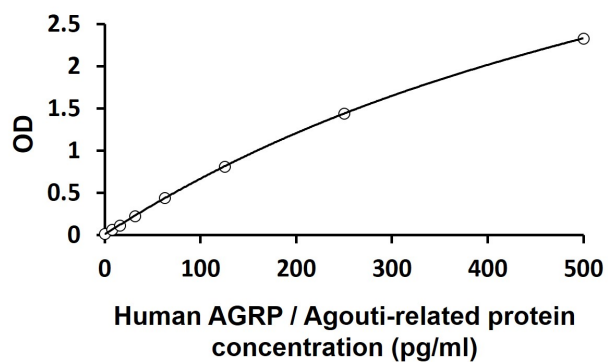
Assay Time	~ 5 hours
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Properties

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	AGRP
Gene Full Name	agouti related neuropeptide
Background	This gene encodes an antagonist of the melanocortin-3 and melanocortin-4 receptor. It appears to regulate hypothalamic control of feeding behavior via melanocortin receptor and/or intracellular calcium regulation, and thus plays a role in weight homeostasis. Mutations in this gene have been associated with late on-set obesity. [provided by RefSeq, Dec 2009]
Function	Plays a role in weight homeostasis. Involved in the control of feeding behavior through the central melanocortin system. Acts as alpha melanocyte-stimulating hormone antagonist by inhibiting cAMP production mediated by stimulation of melanocortin receptors within the hypothalamus and adrenal gland. Has very low activity with MC5R (By similarity). Is an inverse agonist for MC3R and MC4R being able to suppress their constitutive activity. It promotes MC3R and MC4R endocytosis in an arrestin-dependent manner. [UniProt]
Highlight	<p>New ELISA data calculation tool: Simplify the ELISA analysis by GainData</p> <p>Related news: Studying obesity and appetite control by quantifying orexigenic and anorexigenic hormones;</p> <p>Related products: AGRP antibodies; AGRP ELISA Kits;</p>



ARG81577 Human AGRP / Agouti-related protein ELISA Kit standard curve image

ARG81577 Human AGRP / Agouti-related protein ELISA Kit results of a typical standard run with optical density reading at 450 nm.