



Human agouti-related protein (AGRP) ELISA kit (<4 pg/mL)

Cat. No.:	OB0525WXX-385
Assay Type:	Quantitative ELISA
Target Species:	Human
Assay Target:	AGRP
Size:	96T

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	Human agouti-related protein (AGRP) ELISA kit (<4 pg/mL) is a ready-to-use micro well, strip, or full plate ELISA kit for analyzing human AGRP levels with a sensitivity of <4 pg/mL.
Assay Principle	The kit is based on a standard sandwich ELISA technique. Mouse monoclonal antibody specific for AGRP has been pre-coated on a 96-well plate. Standards and test samples are added to the wells, followed by biotinylated goat polyclonal antibody specific for AGRP, and washed with PBS or TBS buffer. Avidin-biotin-peroxidase complex is added, and unbound conjugate is washed with PBS or TBS buffer. The HRP substrate TMB is used to visualize the HRP enzyme reaction. TMB produces a blue product catalyzed by HRP, which turns yellow upon addition of an acidic termination solution. The density of the yellow color is proportional to the amount of human AGRP sample captured in the plate.
Background	AGRP plays a role in body weight homeostasis, is involved in the control of eating behavior through the central melanocortin system, and acts as an inverse agonist of MC3R and MC4R, thereby inhibiting their constitutive activity. Genetic variants in <i>AGRP</i> may be responsible for obesity.
Synonyms	Agouti-related peptide; ASIP2
Formula Weight	14,440 Da
Applications	Human agouti-related protein (AGRP) ELISA kit (<4 pg/mL) is designed for the <i>in vitro</i> quantitative analysis of AGRP levels in human biological samples.
Research Area	Hormone research; Eating behavior; Signaling pathway; Obesity

Specification



Sample Type	Biological samples
Sensitivity	<4 pg/mL
Cross-reactivity	No significant cross-reactivity or interference was observed.
Stability	12 Months
Storage	Store at 2-8°C.