

Human Putative Peptide YY-3 (PYY3) ELISA Kit | PYY3 elisa kit

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CATALOG #
AAA331195

REACTIVITY
Human

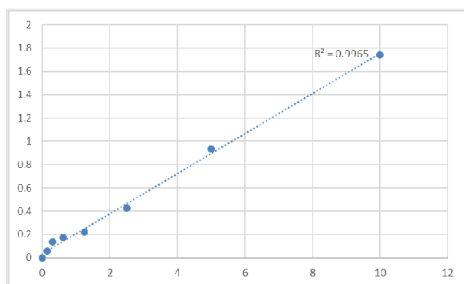
PRODUCT SYNONYMS

Putative Peptide YY-3 (PYY3); Human Putative Peptide YY-3 (PYY3) ELISA Kit; PYY3; RP13-377G1_A.2; PYY3 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Putative peptide YY-3 (PYY3) ELISA Kit has high sensitivity and excellent specificity for detection of Human PYY3. No significant cross-reactivity or interference between Human PYY3 and analogues was observed.
Sequence Length	70
Assay Type	Sandwich ELISA (Quantitative)
Samples	Cell Culture Supernatants, Serum, Plasma, Other Biological Fluids
Detection Method	Colorimetric
Usage Notes	* Do not mix components from different kit lots or use reagents beyond the kit expiration date. * Allow all reagents to warm to room temperature for at least 30 minutes before opening. * Pre-rinse the pipet tip with reagent, use fresh pipet tips for each sample, standard and reagent to avoid contamination. * Unused wells must be kept desiccated at 4 degree C in the sealed bag provided. * Mix Thoroughly is very important for the result. It is recommended using low frequency oscillator or slight hand shaking every 10 minutes. * It is recommended that all samples and standards be assayed in duplicate or triplicate.
Preparation and Storage	Store at 2-8 degree C.

IMAGES



Standard Curve (Sample)

Fig.1. Human Putative peptide YY-3 (PYY3) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PYY3 elisa kit	Description: This Human Putative peptide YY-3 (PYY3) ELISA Kit employs a two-site sandwich ELISA to quantitate PYY3 in samples. An antibody specific for PYY3 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PYY3 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYY3 is added to the wells. After washing, Streptavidin conjugated Horseradish Peroxidase (HRP) is added to the wells. Following a wash to remove any unbound avidin-enzyme reagent, a substrate solution is added to the wells and color develops in proportion to the amount of PYY3 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: Peptide YY(3-36), a Y2R agonist, is released from the gastrointestinal tract postprandially in proportion to the calorie content of a meal. PYY(3-36) also inhibits food intake in mice but not in Y2r-null mice, which suggests that the anorectic effect requires the Y2R. Peripheral administration of PYY(3-36) increases c-Fos immunoreactivity in the arcuate nucleus and decreases hypothalamic Npy messenger RNA. Intra-arcuate injection of PYY(3-36) inhibits food intake. PYY(3-36) also inhibits electrical activity of NPY nerve terminals, thus activating adjacent pro-opiomelanocortin (POMC) neurons. In humans, infusion of normal postprandial concentrations of PYY(3-36) significantly decreases appetite and reduces food intake by 33% over 24 h. Thus, postprandial elevation of PYY(3-36) may act through the arcuate nucleus Y2R to inhibit feeding in a gut-hypothalamic pathway.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	74741733
UniProt Accession #	Q5JQD4
NCBI Official Full Name	Putative peptide YY-3
UniProt Protein Name	Putative peptide YY-3
UniProt Gene Name	PYY3
UniProt Synonym Gene Names	Putative peptide YY3

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.