

Human Caltrin (PYY2) ELISA Kit | PYY2 elisa kit

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CATALOG #
AAA331194

REACTIVITY
Human

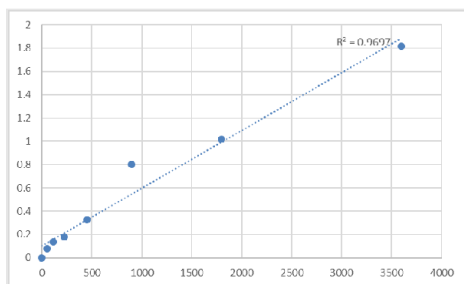
PRODUCT SYNONYMS

Caltrin (PYY2); Human Caltrin (PYY2) ELISA Kit; PYY2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Caltrin (PYY2) ELISA Kit has high sensitivity and excellent specificity for detection of Human PYY2. No significant cross-reactivity or interference between Human PYY2 and analogues was observed.
Sequence Length	80
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 Caltrin (PYY2) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for PYY2 elisa kit	Description: This Human Caltrin (PYY2) ELISA Kit employs a two-site sandwich ELISA to quantitate PYY2 in samples. An antibody specific for PYY2 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any PYY2 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for PYY2 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 PYY2 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: NPY is an abundant neuropeptide regulating a wide range of physiologic activities. Another member of the NPY family, PYY, is an inhibitory hormone secreted by digestive tract endocrine cells. PPY is a pancreatic hormone inhibiting secretion of enzymes and bicarbonate from the exocrine pancreas. The genes encoding PYY and PPY are thought to have arisen by gene duplication and are localized on chromosome 17q21.1. All 3 genes contain 4 exons with little or no intronic homology. PYY2, like PYY1, has 4 exons and conserved 5-prime and 3-prime flanking sequences as well as conserved introns 2 and 3. Despite 92% identity between the PYY and PYY2 nucleotide sequences, PYY encodes a 98-amino acid protein and PYY2 encodes a 33-residue protein due to an alternative start site, as seen in bovine Pyy2 (seminalplasmin), and an early stop codon.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806807
NCBI GeneID	280905
NCBI Accession #	NP_776381.1
NCBI GenBank Nucleotide #	NP_776381.1
UniProt Accession #	P06833
NCBI Official Full Name	caltrin
NCBI Official Symbol	PYY2
NCBI Official Synonym Symbols	SPLN
NCBI Protein Information	caltrin
UniProt Protein Name	Caltrin
UniProt Gene Name	PYY2
UniProt Synonym Gene Names	Peptide YY2; SPLN
UniProt Entry Name	PYY2_BOVIN

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.