Human Caltrin (PYY2) ELISA Kit

Catalog No: #EK7870

Package Size: #EK7870-1 48T #EK7870-2 96T

Orders: order@signalwayantibody.com
Support: tech@signalwayantibody.com

Description

Product Name	Human Caltrin (PYY2) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Accession No.	P06833
Uniprot	P06833
GeneID	280905;
Storage	The stability of ELISA 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. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:Request Information

Sensitivity:Request Information

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:SandwichTest principle:This assay 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 anyPYY2 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.Product Overview: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.

Note: This product is for in vitro research use only