Caltrin (PYY2) ELISA Kit for Rat

PRODUCT OVERVIEW

Product Name	Caltrin (PYY2), ELISA Kit
Full Product Name	Rat Caltrin (PYY2) ELISA Kit
Product Gene Name	PYY2 elisa kit
Species Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Preparation and Storage	Store all reagents at 2-8 degree C.
Molecular Weight	8,977 Da
Sample Preparation	We suggest pre-experimenting with neat (undiluted) samples, 1:2 or 1:4 dilutions. Please avoid diluting your samples more than 1:10 as it would exceed the dilution limit set for this kit. If the expected concentration of the target is beyond the detection range of the kit, please contact our technical support team
ISO Certification	Manufactured in an ISO 13485:2016 Certified Laboratory.
Related Product Information for PYY2 elisa kit	MBS7205931 is a ready-to-use microwell, strip plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Caltrin (PYY2) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing PYY2. The ELISA analytical biochemical technique of the MBS7205931 kit is based on PYY2 antibody-PYY2 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect PYY2 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, PYY2. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).
Other Notes	Small volumes of PYY2 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.

ADDITIONAL DETAILS

NCBI/Uniprot data below describe general gene information for PYY2. It may not necessarily be applicable to this product.

NCBI GI #	27806807
NCBI GeneID	280905
NCBI Accession #	NP_776381.1
UniProt Related Accession #	P06833
GenBank Nucleotide #	NM_173956.2
NCBI Official Full Name	caltrin
NCBI Official Symbol	PYY2
NCBI Official Synonym Symbols	SPLN
UniProt Protein Name	Caltrin
UniProt Synonym Protein Names	Calcium transport inhibitor; Peptide YY-2; Peptide YY2; Seminalplasmin; SPLN
Protein Family	Caltrin
UniProt Gene Name	PYY2

UniProt Synonym Gene Names	Peptide YY2; SPLN
UniProt Entry Name	PYY2_BOVIN
NCBI Protein Information	caltrin; peptide YY2; calcium transport inhibitor
UniProt Comments for PYY2	Inhibits calcium transport into spermatozoa; it does not bind directly to calcium. Binds to calmodulin. Inhibits the growth of microorganisms. Seem to act as an antibiotic by permeabilizing the bacterial membrane.
Precautions	All of MyBioSource's Products are for scientific laboratory research purposes and are not for diagnostic, therapeutics, prophylactic or in vivo use. Through your purchase, you expressly represent and warrant to MyBioSource that you will properly test and use any Products purchased from MyBioSource in accordance with industry standards. MyBioSource and its authorized distributors reserve the right to refuse to process any order where we reasonably believe that the intended use will fall outside of our acceptable guidelines.
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Product Note	Select online data sheet information is drawn from bioinformatics databases, occasionally resulting in ambiguous or non-relevant product information. It is the responsibility of the customer to review, verify, and evaluate the information to make sure it matches their requirements before purchasing the kit. Our ELISA Kit assays are dynamic research tools and sometimes they may be updated and improved. If the format of this assay is important to you then please request the current manual or contact our technical support team with a presales inquiry before placing an order. We will confirm the current details of the assay. We cannot guarantee the sample manual posted online is the most current manual, it is intended to serve as an example only. Please refer to the instructions For Use provided with the assay kit for precise details.

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