

Human Caltrin (PYY2) ELISA Kit | PYY2 elisa kit

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CATALOG #
AAA244818

REACTIVITY
Human

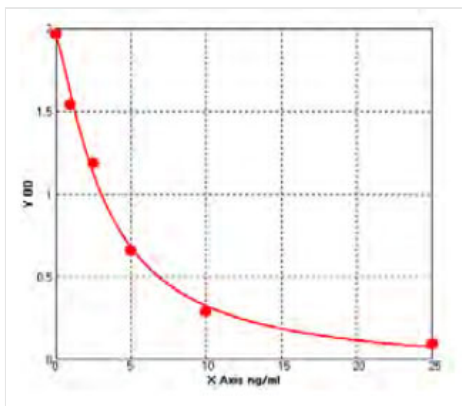
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of SLC7A11. No significant cross-reactivity or interference between SLC7A11 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between SLC7A11 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for PYY2 elisa kit	Principle of the Assay: SLC7A11 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-SLC7A11 antibody and an SLC7A11-HRP conjugate. The assay sample and buffer are incubated together with SLC7A11-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to stop the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the SLC7A11 concentration since SLC7A11 from samples and SLC7A11-HRP conjugate compete for the anti-SLC7A11 antibody binding site. Since the number of sites is limited, as more sites are occupied by SLC7A11 from the sample, fewer sites are left to bind SLC7A11-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The SLC7A11 concentration in each sample is interpolated from this standard curve. Intended Uses: This SLC7A11 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human SLC7A11. This ELISA kit for research use only, not for therapeutic or test applications!
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NCBI AND UNIPROT INFORMATION

NCBI GI #	27806807
NCBI GeneID	280905
NCBI Accession #	NP_776381.1
NCBI GenBank Nucleotide #	NM_173956.2
Molecular Weight	8,977 Da
NCBI Official Full Name	caltrin
NCBI Official Symbol	PYY2
NCBI Official Synonym Symbols	SPLN
NCBI Protein Information	caltrin; peptide YY2; calcium transport inhibitor
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.

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Online datasheet: <https://stage.aaabiotech.com/human-elisa-kits/caltrin-pyy2/244818>