

Human Short Transient Receptor Potential Channel 6 (TRPC6) ELISA Kit | TRPC6 elisa kit

Human Short Transient Receptor Potential Channel 6 (TRPC6) ELISA Kit

CATALOG #
AAA330356

REACTIVITY
Human

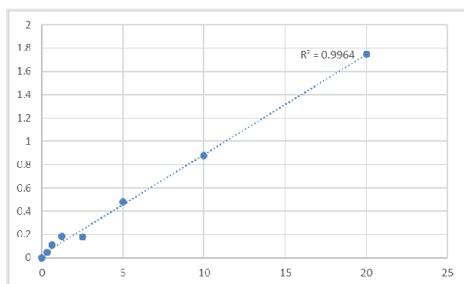
PRODUCT SYNONYMS

Short Transient Receptor Potential Channel 6 (TRPC6); Human Short Transient Receptor Potential Channel 6 (TRPC6) ELISA Kit; TRPC6; FLJ11098; FLJ14863; FSGS2; TRP6; TRPC6 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	Human Short transient receptor potential channel 6 (TRPC6) ELISA Kit has high sensitivity and excellent specificity for detection of Human TRPC6. No significant cross-reactivity or interference between Human TRPC6 and analogues was observed.
Sequence Length	931
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 Short transient receptor potential channel 6 (TRPC6) Standard Curve.

ADDITIONAL INFORMATION

Related Product Information for TRPC6 elisa kit	Description: This Human Short transient receptor potential channel 6 (TRPC6) ELISA Kit employs a two-site sandwich ELISA to quantitate TRPC6 in samples. An antibody specific for TRPC6 has been pre-coated onto a microplate. Standards and samples are pipetted into the wells and any TRPC6 present is bound by the immobilized antibody. After removing any unbound substances, a biotin-conjugated antibody specific for TRPC6 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 TRPC6 bound in the initial step. The color development is stopped and the intensity of the color is measured. Background: TRPC6 is a transient receptor potential ion channel. It has been associated with depression and anxiety (see below), as well as with focal segmental glomerulosclerosis (FSGS). Two of the primary active constituents responsible for the antidepressant and anxiolytic benefits of Hypericum perforatum (St. John's Wort) are hyperforin and adhyperforin. These compounds are inhibitors of the reuptake of serotonin, norepinephrine (noradrenaline) and epinephrine (adrenaline), dopamine, gamma-aminobutyric acid (GABA), and glutamate, and they exert these effects by binding to and activating TRPC6. Activation of TRPC6 induces the entry of calcium (Ca2+) and sodium (Na+) into the cell, which results in the reuptake inhibition.
---	---

NCBI AND UNIPROT INFORMATION

NCBI GI #	62739910
NCBI GeneID	7225
UniProt Accession #	Q9Y210
NCBI Official Full Name	Transient receptor potential cation channel, subfamily C, member 6
NCBI Official Synonym Full Names	transient receptor potential cation channel subfamily C member 6
NCBI Official Symbol	TRPC6
NCBI Official Synonym Symbols	TRP6; FSGS2
NCBI Protein Information	short transient receptor potential channel 6
UniProt Protein Name	Short transient receptor potential channel 6
UniProt Gene Name	TRPC6
UniProt Synonym Gene Names	TRP6; TrpC6; TRP-6
UniProt Entry Name	TRPC6_HUMAN

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.