

Monkey Voltage-gated calcium channel ELISA Kit | VGCC elisa kit

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CATALOG #
AAA89631

REACTIVITY
Monkey

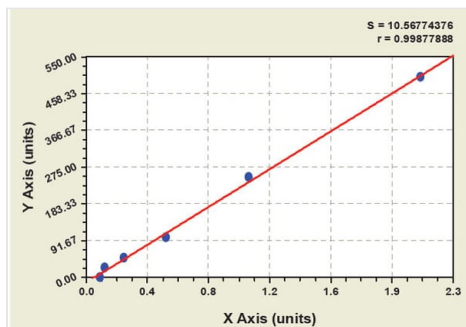
PRODUCT SYNONYMS

Voltage-gated calcium channel; Monkey Voltage-gated calcium channel ELISA Kit; VGCC elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Monkey
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	25-500pg/mL
Sensitivity	1.0pg/mL
Intended Uses	This VGCC ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Monkey VGCC. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for VGCC elisa kit

Principle of the assay: VGCC ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for VGCC. Standards or samples are then added to the microtiter plate wells and VGCC if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of VGCC present in the sample, a standardized preparation of horseradish peroxidase (HRP)-conjugated polyclonal antibody, specific for VGCC are added to each well to "sandwich" the VGCC immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain VGCC and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The VGCC concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	951207
NCBI GeneID	775
Molecular Weight	239,704 Da
NCBI Official Full Name	voltage-gated calcium channel, partial
NCBI Official Synonym Full Names	calcium channel, voltage-dependent, L type, alpha 1C subunit
NCBI Official Symbol	CACNA1C
NCBI Official Synonym Symbols	TS; LQT8; CACH2; CACN2; CaV1.2; CCHL1A1; CACNL1A1
NCBI Protein Information	voltage-dependent L-type calcium channel subunit alpha-1C; DHPR, alpha-1 subunit; voltage-dependent L-type Ca ²⁺ channel alpha 1 subunit; calcium channel, cardiac dihydropyridine-sensitive, alpha-1 subunit; calcium channel, L type, alpha-1 polypeptide, isoform 1, cardiac muscle; voltage-gated L-type calcium channel Cav1.2 alpha 1 subunit, splice variant 10*
UniProt Protein Name	Voltage-dependent L-type calcium channel subunit alpha-1C
UniProt Gene Name	CACNA1C
UniProt Synonym Gene Names	CACH2; CACN2; CACNL1A1; CCHL1A1
UniProt Entry Name	CAC1C_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.

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Online datasheet: <https://stage.aaabiotech.com/vgcc-monkey-elisa-kits/voltage-gated-calcium-channel/89631>