

Human Calcium activated potassium channel subunit Alpha 1 (KCNMA1) ELISA Kit | KCNMA1 elisa kit

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CATALOG #
AAA245019

REACTIVITY
Human

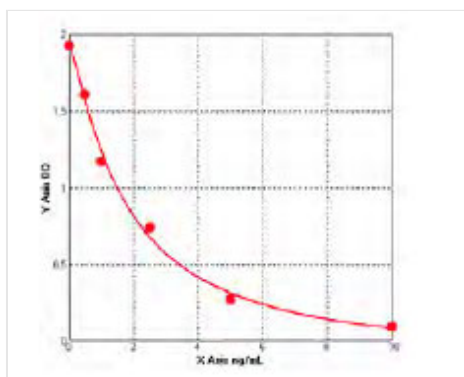
PRODUCT SYNONYMS

Calcium activated potassium channel subunit Alpha 1 (KCNMA1); Human Calcium activated potassium channel subunit Alpha 1 (KCNMA1) ELISA Kit; KCNMA1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, Plasma, Cell Culture Supernatants, Body Fluid And Tissue Homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KCNMA1 elisa kit

Intended Uses: This JMJD6 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse JMJD6. This ELISA kit for research use only!

Principle of the Assay: JMJD6 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-JMJD6 antibody and an JMJD6-HRP conjugate. The assay sample and buffer are incubated together with JMJD6-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 JMJD6 concentration since JMJD6 from samples and JMJD6-HRP conjugate compete for the anti-JMJD6 antibody binding site. Since the number of sites is limited, as more sites are occupied by JMJD6 from the sample, fewer sites are left to bind JMJD6-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The JMJD6 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	46396283
NCBI GeneID	3778
Molecular Weight	138,297 Da
NCBI Official Full Name	Calcium-activated potassium channel subunit alpha-1
NCBI Official Synonym Full Names	potassium large conductance calcium-activated channel, subfamily M, alpha member 1
NCBI Official Symbol	KCNMA1
NCBI Official Synonym Symbols	SLO; BKTM; SLO1; MaxiK; SAKCA; mSLO1; KCa1.1; SLO-ALPHA; bA205K10.1
NCBI Protein Information	calcium-activated potassium channel subunit alpha-1; uncharacterized protein; hSlo; k(VCA)alpha; slo homolog; slowpoke homolog; BKCA alpha subunit; maxi-K channel HSLO; BK channel alpha subunit; stretch-activated Kca channel; calcium-activated potassium channel, subfamily M subunit alpha-1
UniProt Protein Name	Calcium-activated potassium channel subunit alpha-1
UniProt Gene Name	KCNMA1
UniProt Synonym Gene Names	KCNMA; SLO; MaxiK; Slo homolog; hSlo
UniProt Entry Name	KCMA1_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.