Human Potassium Inwardly Rectifying Channel Subfamily J, Member 5 (KCNJ5) ELISA Kit | KCNJ5 elisa kit

Human Potassium Inwardly Rectifying Channel Subfamily J, Member 5 (KCNJ5) ELISA Kit

CATALOG #	REACTIVITY
AAA68592	**Human**

PRODUCT SYNONYMS

Potassium Inwardly Rectifying Channel Subfamily J; Member 5 (KCNJ5); Human Potassium Inwardly Rectifying Channel Subfamily J; Member 5 (KCNJ5) ELISA Kit; Kir3.4; CIR; KATP1; GIRK4; G protein-activated inward rectifier potassium channel 4; Cardiac inward rectifier; Inward rectifier K(+) channel Kir3.4; Heart KATP channel; KCNJ5 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of KCNJ5. No significant cross-reactivity or interference between KCNJ5 and analogues was observed.
Sequence Length	419
Samples	Tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.156-10ng/mL
Sensitivity	<0.066ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level KCNJ5 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level KCNJ5 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KCNJ5 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of KCNJ5 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to KCNJ5. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to KCNJ5. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain KCNJ5, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of KCNJ5 in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24797141
NCBI GeneID	3762
NCBI Accession #	NP_000881.3
NCBI GenBank Nucleotide #	NM_000890.4
UniProt Accession #	P48544; Q6DK13; Q6DK14; Q92807; B2R744
Molecular Weight	47,668 Da
NCBI Official Full Name	G protein-activated inward rectifier potassium channel 4
NCBI Official Synonym Full Names	potassium voltage-gated channel subfamily J member 5
NCBI Official Symbol	KCNJ5
NCBI Official Synonym Symbols	CIR; GIRK4; KATP1; LQT13; KIR3.4
NCBI Protein Information	G protein-activated inward rectifier potassium channel 4
UniProt Protein Name	G protein-activated inward rectifier potassium channel 4
UniProt Gene Name	**KCNJ5**
UniProt Synonym Gene Names	GIRK4; GIRK-4; CIR; IRK-4

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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: https://stage.aaabiotech.com/human-elisa-kits/potassium-inwardly-rectifying-channel-subfamily-j-member-5-kcnj5/68592