Human Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10) ELISA Kit | KCNJ10 elisa kit

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CATALOG #	REACTIVITY
AAA140554	**Human**

PRODUCT SYNONYMS

Potassium Inwardly Rectifying Channel Subfamily J; Member 10 (KCNJ10); Human Potassium Inwardly Rectifying Channel Subfamily J; Member 10 (KCNJ10) ELISA Kit; Kir4.1; Kir1.2; ATP-sensitive inward rectifier potassium channel 10; ATP-dependent inwardly rectifying potassium channel Kir4.1; Inward rectifier K(+) channel Kir1.2; KCNJ10 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10). No significant cross-reactivity or interference between Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10) and analogues was observed.
Sequence Length	378
Assay Type	Double-antibody Sandwich
Samples	Tissue homogenates, Cell lysates and other biological fluids
Detection Range	1.56-100ng/mL
Sensitivity	0.61ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for KCNJ10 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10). 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 Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10), 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 Potassium Inwardly Rectifying Channel Subfamily J, Member 10 (KCNJ10) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for KCNJ10 elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	118403692
NCBI GeneID	779765
NCBI Accession #	NP_001072312.1
NCBI GenBank Nucleotide #	NM_001078844.1
NCBI Official Full Name	ATP-sensitive inward rectifier potassium channel 10
NCBI Official Synonym Full Names	potassium channel, inwardly rectifying subfamily J, member 10
NCBI Official Symbol	kcnj10
NCBI Official Synonym Symbols	kir1.2; kir4.1; birk-10
NCBI Protein Information	ATP-sensitive inward rectifier potassium channel 10

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/potassium-inwardly-rectifying-channel-subfamily-j-member-10-kcnj10/140554