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

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

| CATALOG # | REACTIVITY |
|---|---|
| **AAA187921** | **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).<br>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** | < 0.58ng/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.<br>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. |

## 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.

**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-10-kcnj10/187921