

Rat Pannexin 1 (PANX1) ELISA Kit | PANX1 elisa kit

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CATALOG #
AAA188246

REACTIVITY
Rat

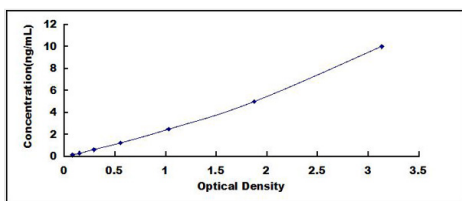
PRODUCT SYNONYMS

Pannexin 1 (PANX1); Rat Pannexin 1 (PANX1) ELISA Kit; MRS1; PX1; Innexin; PANX1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay has high sensitivity and excellent specificity for detection of Pannexin 1 (PANX1). No significant cross-reactivity or interference between Pannexin 1 (PANX1) and analogues was observed.
Sequence Length	426
Assay Type	Double-antibody Sandwich
Samples	Tissue Homogenates, Cell Lysates, Cell Culture Supernates and Other Biological Fluids
Detection Range	0.156-10ng/mL
Sensitivity	The minimum detectable dose of this kit is typically less than 0.054ng/mL
Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level Pannexin 1 (PANX1) were tested 20 times on one plate, respectively. Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level Pannexin 1 (PANX1) were tested on 3 different plates, 8 replicates in each plate. $CV(\%) = SD/mean \times 100$ 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 PANX1 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 Pannexin 1 (PANX1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Pannexin 1 (PANX1). 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 Pannexin 1 (PANX1), 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 Pannexin 1 (PANX1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	40786483
NCBI GeneID	315435
NCBI Accession #	NP_955429.1
NCBI GenBank Nucleotide #	NP_955429.1
UniProt Accession #	P60570
NCBI Official Full Name	pannexin-1 isoform a
NCBI Official Synonym Full Names	Pannexin 1
NCBI Official Symbol	Panx1
NCBI Official Synonym Symbols	px1
NCBI Protein Information	pannexin-1
UniProt Protein Name	Pannexin-1
UniProt Gene Name	Panx1
UniProt Synonym Gene Names	Px1

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/rat-elisa-kits/pannexin-1-panx1/188246>