

Rat Gap junction alpha-1 protein ELISA Kit | Gja1 elisa kit

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CATALOG #
AAA195532

REACTIVITY
Rat

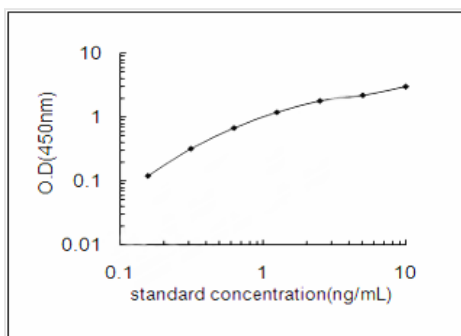
PRODUCT SYNONYMS

Gap junction alpha-1 protein; Rat Gap junction alpha-1 protein ELISA Kit; Connexin-43; Cx43; Gap junction 43 kDa heart protein; Gja1; Cxn-43; Gja1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Specificity	This assay recognizes recombinant and natural ratGap junction alpha-1 protein. No significant cross-reactivity or interference was observed.
Sequence Length	382
Assay Type	Sandwich
Detection Range	0.156-10 ng/mL
Sensitivity	0.087 ng/mL
Intra-Assay CV	<=4.5%
Inter-Assay CV	<=7.3%
Recovery	104%
Preparation and Storage	For long term storage, please store the entire kit at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for Gja1 elisa kit	Intended Uses: This immunoassay kit allows for the in vitro quantitative determination of rat Gap junction alpha-1 protein concentrations in serum, Plasma, tissue homogenates and Cell culture supernates and Other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to Gap junction alpha-1 protein. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated polyclonal antibody preparation specific for Gap junction alpha-1 protein and Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. Then a TMB substrate solution is added to each well. Only those wells that contain Gap junction alpha-1 protein, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm ± 2 nm. The concentration of Gap junction alpha-1 protein 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 #	6978896
NCBI GeneID	24392
NCBI Accession #	NP_036699.1
NCBI GenBank Nucleotide #	NM_012567.2
UniProt Accession #	P08050; Q53ZE1
Molecular Weight	43,031 Da
NCBI Official Full Name	gap junction alpha-1 protein
NCBI Official Synonym Full Names	gap junction protein, alpha 1
NCBI Official Symbol	Gja1
NCBI Official Synonym Symbols	Cx43
NCBI Protein Information	gap junction alpha-1 protein
UniProt Protein Name	Gap junction alpha-1 protein
UniProt Gene Name	Gja1
UniProt Synonym Gene Names	Cxn-43; Cx43
UniProt Entry Name	CXA1_RAT

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/gja1-rat-elisa-kits/gap-junction-alpha-1-protein/195532>