

Rat Connexin 43 ELISA Kit | CX43 elisa kit

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CATALOG #
AAA98677

REACTIVITY
Rat

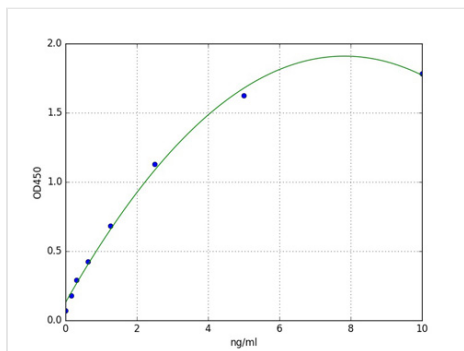
PRODUCT SYNONYMS

Connexin 43; Rat Connexin 43 ELISA Kit; CX43/GJA1/GJAL/ODOD/SDTY3/connexin 43/connexin-43/Connexin-43/Cx43/CX43gap junction protein; alpha-like/DFNB38/Gap junction 43 kDa heart protein/gap junction alpha-1 protein/gap junction protein; alpha 1; 43kDa/gap junction protein; 43kDa (connexin 43)/GJAL/HSS/ODD/SDTY3; CX43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	125
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	0.156-10ng/ml
Sensitivity	0.094ng/ml
Preparation and Storage	Store entire kit at 2-8C for short-term. For longer-term, please store the microplate & standard at -20C, while the remaining reagents can be stored at 2-8C

IMAGES



Standard Curve (Sample)

Typical Data & Standard Curve

Results of a typical standard run of a Rat CX43 ELISA Kit are shown below. This standard curve was generated at our lab for demonstration purpose only. Each user should obtain their own standard curve as per experiment. (N/A=not applicable)

X	ng/ml	0	0.156	0.313	0.625	1.25	2.5	5	10
Y	OD450	0.108	0.137	0.243	0.288	0.502	0.924	1.497	1.744

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX43 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat CX43 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat CX43 antibody was used as detection antibodies. The standards, test samples and biotin conjugated detection antibody were added to the wells subsequently, and wash with wash buffer. HRP-Streptavidin was added and unbound conjugates were washed away with wash buffer. TMB substrates were used to visualize HRP enzymatic reaction. TMB was catalyzed by HRP to produce a blue color product that changed into yellow after adding acidic stop solution. The density of yellow is proportional to the Rat CX43 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat CX43 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12055391
NCBI GeneID	100518636
UniProt Accession #	Q9GJX4; Q29101
Molecular Weight	13,898 Da
NCBI Official Full Name	connexin 43, partial
NCBI Official Symbol	GJA1
NCBI Official Synonym Symbols	CX43
NCBI Protein Information	gap junction alpha-1 protein
UniProt Protein Name	Connexin 43
UniProt Gene Name	connexin 43
UniProt Entry Name	Q9GJX4_PIG

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://www.aaabiotech.com/cx43-rat-elisa-kits/connexin-43/98677>