

Rat Connexin 40 ELISA Kit | CX40 elisa kit

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CATALOG #
AAA101520

REACTIVITY
Rat

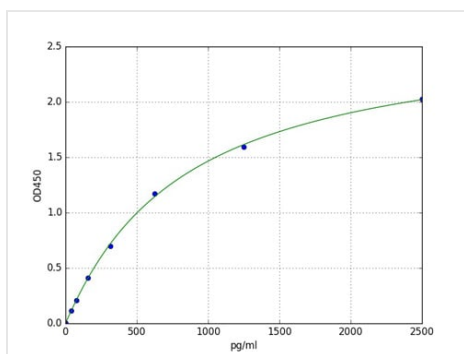
PRODUCT SYNONYMS

Connexin 40; Rat Connexin 40 ELISA Kit; CX40/ATFB11/GJA5/alpha 5; 40kD (connexin 40)/connexin-40/Connexin-40/Cx40/gap junction alpha-5 protein/gap junction protein; alpha 5; 40kDa/gap junction protein; 40kDa (connexin 40)/MGC11185; CX40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Sequence Length	358
Assay Type	Sandwich ELISA, Double Antibody
Samples	Serum, Plasma, Cell Culture Supernatant, cell or tissue lysate, Other liquid samples
Detection Range	39.063-2500pg/ml
Sensitivity	23.438pg/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 CX40 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	pg/ml	0	39.1	78.125	156.25	312.5	625	1250	2500
Y	OD450	0.042	0.077	0.156	0.255	0.519	0.904	1.532	2.460

Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX40 elisa kit

Principle of the Assay||This kit was based on sandwich enzyme-linked immune-sorbent assay technology. anti-Rat CX40 antibody was pre-coated onto 96-well plates. And the biotin conjugated anti-Rat CX40 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 CX40 amount of sample captured in plate. Read the O.D. absorbance at 450nm in a microplate reader, and then the concentration of Rat CX40 can be calculated.

NCBI AND UNIPROT INFORMATION

NCBI GI #	1220303
NCBI GeneID	2702
Molecular Weight	40,380 Da
NCBI Official Full Name	connexin 40
NCBI Official Synonym Full Names	gap junction protein alpha 5
NCBI Official Symbol	GJA5
NCBI Official Synonym Symbols	CX40; ATFB11
NCBI Protein Information	gap junction alpha-5 protein
UniProt Protein Name	Gap junction alpha-5 protein
UniProt Gene Name	GJA5
UniProt Synonym Gene Names	Cx40
UniProt Entry Name	CXA5_HUMAN

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/cx40-rat-elisa-kits/connexin-40/101520>