

## Rat CX40 ELISA Kit | CX40 elisa kit

Rat CX40 (Connexin 40) ELISA Kit

CATALOG #  
**AAA163977**

REACTIVITY  
**Rat**

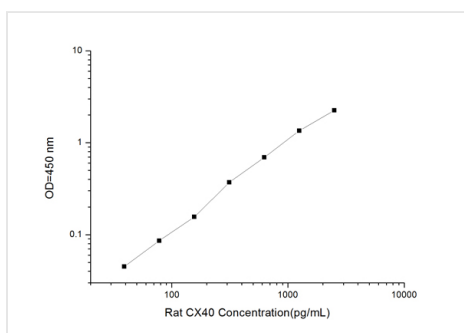
### PRODUCT SYNONYMS

CX40; Rat CX40 (Connexin 40) ELISA Kit; CX40 elisa kit

### PRODUCT SPECIFICATIONS

|                         |                                                                                                                                                                                                                                                                                                                                                                                         |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Reactivity              | Rat                                                                                                                                                                                                                                                                                                                                                                                     |
| Specificity             | This assay has high sensitivity and excellent specificity for detection of Rat CX40. No significant cross-reactivity or interference between Rat CX40 and analogues was observed. Note: Limited by current skills and knowledge, it is impossible for us to complete the cross- reactivity detection between Rat CX40 and all the analogues, therefore, cross reaction may still exist. |
| Sequence Length         | 358                                                                                                                                                                                                                                                                                                                                                                                     |
| Samples                 | Serum, Plasma, Biological Fluids                                                                                                                                                                                                                                                                                                                                                        |
| Assay Type              | Sandwich                                                                                                                                                                                                                                                                                                                                                                                |
| Detection Range         | 39.063-2500pg/mL                                                                                                                                                                                                                                                                                                                                                                        |
| Sensitivity             | Min: 23.438pg/mL; Max: 2500pg/mL                                                                                                                                                                                                                                                                                                                                                        |
| Preparation and Storage | Store at 4 degree C.                                                                                                                                                                                                                                                                                                                                                                    |

### IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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| Related Product Information for CX40 elisa kit | <p><b>Description:</b> The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CX40 in Rat serum, plasma and other biological fluids</p> <p><b>Principle of the Assay:</b> This ELISA kit uses Sandwich-ELISA as the method. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Rat CX40. Standards or samples are added to the appropriate micro ELISA plate wells and bound by the specific antibody. Then a biotinylated detection antibody specific for Rat CX40 and Avidin-Horseradish Peroxidase (HRP) conjugate is added to each micro plate well successively and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Rat CX40, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of a sulphuric acid solution and the color turns yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of 450 nm +/- 2 nm. The OD value is proportional to the concentration of Rat CX40. You can calculate the concentration of Rat CX40 in the samples by comparing the OD of the samples to the standard curve.</p> |
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NCBI AND UNIPROT INFORMATION

|                                  |                                                                                          |
|----------------------------------|------------------------------------------------------------------------------------------|
| NCBI GI #                        | 50514                                                                                    |
| NCBI GeneID                      | 14613                                                                                    |
| UniProt Accession #              | Q01231                                                                                   |
| Molecular Weight                 | 40,413 Da                                                                                |
| NCBI Official Full Name          | Cx40                                                                                     |
| NCBI Official Synonym Full Names | gap junction protein, alpha 5                                                            |
| NCBI Official Symbol             | Gja5                                                                                     |
| NCBI Official Synonym Symbols    | Cx40; Cnx40; Gja-5; 5730555N10Rik                                                        |
| NCBI Protein Information         | gap junction alpha-5 protein; connexin-40; gap junction membrane channel protein alpha 5 |
| UniProt Protein Name             | Gap junction alpha-5 protein                                                             |
| UniProt Gene Name                | Gja5                                                                                     |
| UniProt Synonym Gene Names       | Cxn-40; Cx40                                                                             |
| UniProt Entry Name               | CXA5_MOUSE                                                                               |

**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/rat-elisa-kits/cx40/163977>