

Bovine Connexin 40 ELISA Kit | CX40 elisa kit

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CATALOG #
AAA89848

REACTIVITY
Bovine

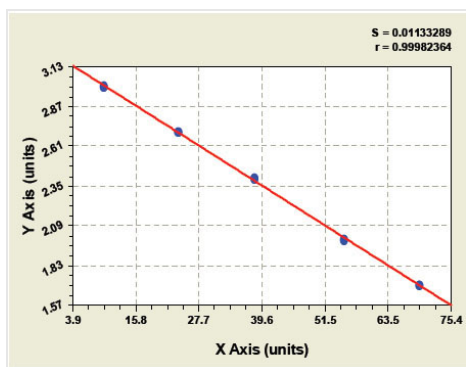
PRODUCT SYNONYMS

Connexin 40; Bovine Connexin 40 ELISA Kit; CX40 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Bovine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX40 elisa kit

For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate

1. INTENDED USE
This CX40 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Bovine CX40. This ELISA kit for research use only!

2. PRINCIPLE OF THE ASSAY
CX40 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CX40 antibody and an CX40-HRP conjugate. The assay sample and buffer are incubated together with CX40-HRP conjugate in pre-coated plate for one hour. After the incubation period, the wells are decanted and washed five times. The wells are then incubated with a substrate for HRP enzyme. The product of the enzyme-substrate reaction forms a blue colored complex. Finally, a stop solution is added to the reaction, which will then turn the solution yellow. The intensity of color is measured spectrophotometrically at 450nm in a microplate reader. The intensity of the color is inversely proportional to the CX40 concentration since CX40 from samples and CX40-HRP conjugate compete for the anti-CX40 antibody binding site. Since the number of sites is limited, as more sites are occupied by CX40 from the sample, fewer sites are left to bind CX40-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CX40 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CX40 elisa kit

Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	5007068
NCBI GeneID	2702
Molecular Weight	40,380 Da
NCBI Official Full Name	connexin 40
NCBI Official Synonym Full Names	gap junction protein, alpha 5, 40kDa
NCBI Official Symbol	GJA5
NCBI Official Synonym Symbols	CX40; ATFB11
NCBI Protein Information	gap junction alpha-5 protein; connexin 40; gap junction protein alpha 5 40kDa
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://www.aaabiotech.com/cx40-bovine-ovine-elisa-kits/connexin-40/89848>