

Guinea Pig Connexin 43 ELISA Kit | CX43 elisa kit

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CATALOG #
AAA82656

REACTIVITY
Guinea Pig

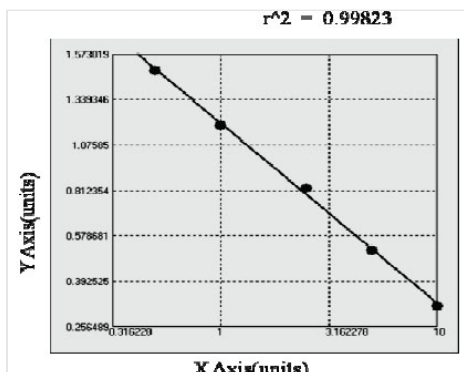
PRODUCT SYNONYMS

Connexin 43; Guinea pig Connexin 43 ELISA Kit; CX43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Guinea Pig
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX43 elisa kit	For samples: Serum, plasma, cell culture supernatants, body fluid and tissue homogenate INTENDED USE This CX43 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Guinea pig CX43. This ELISA kit for research use only! PRINCIPLE OF THE ASSAY CX43 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CX43 antibody and an CX43-HRP conjugate. The assay sample and buffer are incubated together with CX43-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 stop 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 CX43 concentration since CX43 from samples and CX43-HRP conjugate compete for the anti-CX43 antibody binding site. Since the number of sites is limited, as more sites are occupied by CX43 from the sample, fewer sites are left to bind CX43-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CX43 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CX43 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	29179440
NCBI GeneID	30236
Molecular Weight	39,127 Da
NCBI Official Full Name	Cx43 protein
NCBI Official Synonym Full Names	connexin 43
NCBI Official Symbol	cx43
NCBI Official Synonym Symbols	gja1; cx43a1; zfcx43.3
NCBI Protein Information	gap junction alpha-1 protein; shf; sof; connexin-43; etlD309742.9; short fin protein; gap junction protein, alpha 1
UniProt Protein Name	Gap junction alpha-1 protein
UniProt Gene Name	gja1
UniProt Synonym Gene Names	cx43; shf; sof; Cx43
UniProt Entry Name	CXA1_DANRE

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.