

Rabbit Connexin 43 ELISA Kit | CX43 elisa kit

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CATALOG #
AAA86264

REACTIVITY
Rabbit

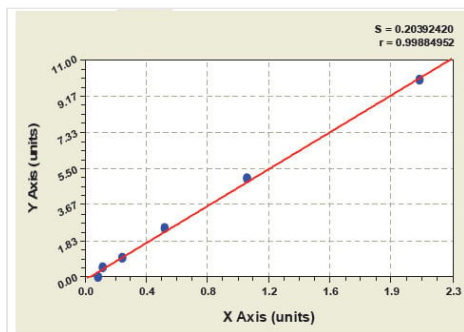
PRODUCT SYNONYMS

Connexin 43; Rabbit Connexin 43 ELISA Kit; CX43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rabbit
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive or Sandwich
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CX43 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rabbit CX43. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX43 elisa kit

Principle of the Assay: CX43 ELISA kit applies the quantitative sandwich enzyme immunoassay technique. The microtiter plate has been pre-coated with a monoclonal antibody specific for CX43. Standards or samples are then added to the microtiter plate wells and CX43 if present, will bind to the antibody pre-coated wells. In order to quantitatively determine the amount of CX43 present in the sample, a standardized preparation of horseradish peroxidase (HRP) -conjugated polyclonal antibody, specific for CX43 are added to each well to "sandwich" the CX43 immobilized on the plate. The microtiter plate undergoes incubation, and then the wells are thoroughly washed to remove all unbound components. Next, substrate solutions are added to each well. The enzyme (HRP) and substrate are allowed to react over a short incubation period. Only those wells that contain CX43 and enzyme-conjugated antibody will exhibit a change in color. The enzyme-substrate reaction is terminated by addition of a sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450 nm. 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.

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.