

Human CX43 ELISA Kit | CX43 elisa kit

Human CX43 (Connexin 43) ELISA Kit

CATALOG #
AAA164855

REACTIVITY
Human

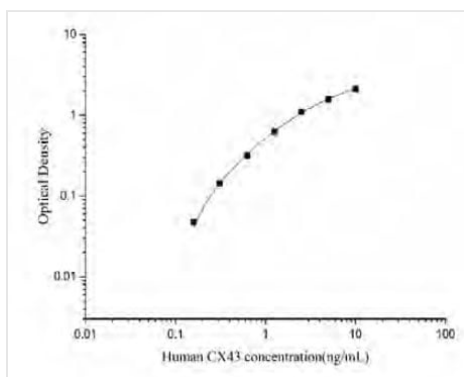
PRODUCT SYNONYMS

CX43; Human CX43 (Connexin 43) ELISA Kit; CX43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This kit recognizes Human CX43 in samples. No significant cross-reactivity or interference between Human CX43 and analogues was observed.
Sequence Length	282
Assay Type	Quantitative Sandwich
Samples	Serum, plasma and other biological fluids
Detection Range	0.16-10ng/mL
Sensitivity	0.1ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, mid range and high level Human CX43 were tested 20 times on one plate, respectively.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, mid range and high level Human CX43 were tested on 3 different plates, 20 replicates in each plate.
Preparation and Storage	Store at 4 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX43 elisa kit	Principle of the Assay: This ELISA kit uses the Sandwich-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with an antibody specific to Human CX43. Standards or samples are added to the micro ELISA plate wells and combined with the specific antibody. Then a biotinylated detection antibody specific for Human CX43 and Avidin-Horseradish Peroxidase (HRP) conjugate are added successively to each micro plate well and incubated. Free components are washed away. The substrate solution is added to each well. Only those wells that contain Human CX43, biotinylated detection antibody and Avidin-HRP conjugate will appear blue in color. The enzyme-substrate reaction is terminated by the addition of stop 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 Human CX43. You can calculate the concentration of Human CX43 in the samples by comparing the OD of the samples to the standard curve. Intended Uses: This ELISA kit applies to the in vitro quantitative determination of Human CX43 concentrations in serum, plasma and other biological fluids.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	29179440
NCBI GeneID	30236
UniProt Accession #	O57474; Q5TYN6; Q7ZTS1
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; connexin-43; etID309742.9; gap junction protein, alpha 1; shf; short fin protein; sof
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.