

Human Connexin 37 ELISA Kit | CX37 elisa kit

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CATALOG #
AAA84660

REACTIVITY
Human

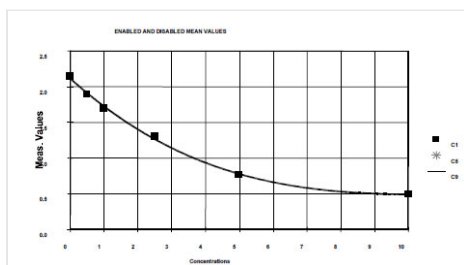
PRODUCT SYNONYMS

Connexin 37; Human Connexin 37 ELISA Kit; CX37 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/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 CX37 elisa kit	For Samples: Cell culture fluid & body fluid & tissue homogenate Serum or blood plasma Intended Uses: This CX37 ELISA kit is intended for laboratory research use only. The stop solution changes the color from blue to yellow and the intensity of the color is measured at 450 nm using a spectrophotometer. In order to measure the concentration of CX37 in the sample, this CX37 ELISA Kit includes a set of calibration standards. The calibration standards are assayed at the same time as the samples and allow the operator to produce a standard curve of Optical Density versus CX37 concentration. The concentration of in the samples is then determined by comparing the O.D. of the samples to the standard curve. Principle of the Assay: The coated well immunoenzymatic assay for the quantitative measurement of CX37 utilizes a multiclonal anti-CX37 antibody and an CX37-HRP conjugate. The assay sample and buffer are incubated together with CX37-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 CX37 concentration since CX37 from samples and CX37-HRP conjugate compete for the anti-CX37 antibody binding site. Since the number of sites is limited, as more sites are occupied by CX37 from the sample, fewer sites are left to bind CX37-HRP conjugate. Standards of known CX37 concentrations are run concurrently with the samples being assayed and a standard curve is plotted relating the intensity of the color (Optical Density) to the concentration of CX37. The CX37 concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CX37 elisa kit	Cell Biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	7416865
NCBI GeneID	2701
Molecular Weight	37,414 Da
NCBI Official Full Name	connexin 37
NCBI Official Synonym Full Names	gap junction protein, alpha 4, 37kDa
NCBI Official Symbol	GJA4
NCBI Official Synonym Symbols	CX37
NCBI Protein Information	gap junction alpha-4 protein; connexin 37; connexin-37
UniProt Protein Name	Gap junction alpha-4 protein
UniProt Gene Name	GJA4
UniProt Synonym Gene Names	Cx37
UniProt Entry Name	CXA4_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/cx37-human-elisa-kits/connexin-37/84660>