

Human Gap junction gamma 1 protein (GJC1) ELISA Kit | GJC1 elisa kit

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CATALOG #
AAA244829

REACTIVITY
Human

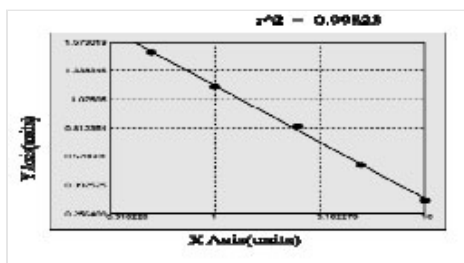
PRODUCT SYNONYMS

Gap junction gamma 1 protein (GJC1); Human Gap junction gamma 1 protein (GJC1) ELISA Kit; GJC1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	5.0-100ng/ml
Sensitivity	1.0ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GJC1 elisa kit

Intended Uses: This GJC1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Human GJC1. This ELISA kit for research use only!

Principle of the Assay||GJC1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GJC1 antibody and an GJC1-HRP conjugate. The assay sample and buffer are incubated together with GJC1-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 GJC1 concentration since GJC1 from samples and GJC1-HRP conjugate compete for the anti-GJC1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GJC1 from the sample, fewer sites are left to bind GJC1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GJC1 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for GJC1 elisa kit

[Signal Transduction](#)

NCBI AND UNIPROT INFORMATION

NCBI GI #	122939172
NCBI GeneID	10052
NCBI Accession #	NP_001073852.1
NCBI GenBank Nucleotide #	NM_001080383.1
Molecular Weight	45,470 Da
NCBI Official Full Name	gap junction gamma-1 protein
NCBI Official Synonym Full Names	gap junction protein, gamma 1, 45kDa
NCBI Official Symbol	GJC1
NCBI Official Synonym Symbols	CX45; GJA7
NCBI Protein Information	gap junction gamma-1 protein; connexin 45; connexin-45; gap junction alpha-7 protein
UniProt Protein Name	Gap junction gamma-1 protein
UniProt Gene Name	GJC1
UniProt Synonym Gene Names	GJA7; Cx45
UniProt Entry Name	CXG1_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/human-elisa-kits/gap-junction-gamma-1-protein-gjc1/244829>