

Mouse Gap Junction Protein Beta 1 ELISA Kit | GJB1 elisa kit

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CATALOG #
AAA82722

REACTIVITY
Mouse

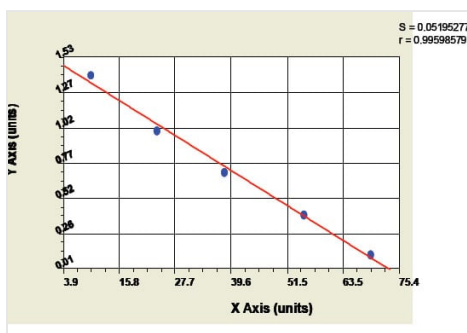
PRODUCT SYNONYMS

Gap Junction Protein Beta 1; Mouse Gap Junction Protein Beta 1 ELISA Kit; GJB1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Mouse
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This GJB1 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Mouse GJB1. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



ADDITIONAL INFORMATION

Related Product Information for GJB1 elisa kit

Principle of the Assay: GJB1 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-GJB1 antibody and an GJB1-HRP conjugate. The assay sample and buffer are incubated together with GJB1-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 GJB1 concentration since GJB1 from samples and GJB1-HRP conjugate compete for the anti-GJB1 antibody binding site. Since the number of sites is limited, as more sites are occupied by GJB1 from the sample, fewer sites are left to bind GJB1-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The GJB1 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	148233402
NCBI GeneID	2705
NCBI Accession #	NP_001091111.1
NCBI GenBank Nucleotide #	NM_001097642.2
Molecular Weight	32,025 Da
NCBI Official Full Name	gap junction beta-1 protein
NCBI Official Synonym Full Names	gap junction protein, beta 1, 32kDa
NCBI Official Symbol	GJB1
NCBI Official Synonym Symbols	CMTX; CX32; CMTX1
NCBI Protein Information	gap junction beta-1 protein; connexin 32; connexin-32; GAP junction 28 kDa liver protein
UniProt Protein Name	Gap junction beta-1 protein
UniProt Gene Name	GJB1
UniProt Synonym Gene Names	CX32; Cx32
UniProt Entry Name	CXB1_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://stage.aaabiotech.com/gjb1-mouse-elisa-kits/gap-junction-protein-beta-1/82722>