

Human Gap Junction Protein Beta 1 (GJb1) ELISA Kit | GJb1 elisa kit

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CATALOG #
AAA136687

REACTIVITY
Human

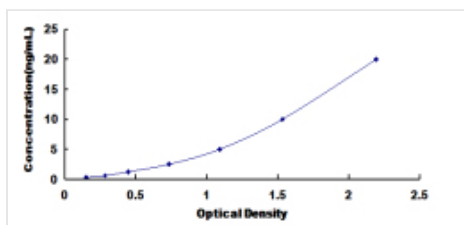
PRODUCT SYNONYMS

Gap Junction Protein Beta 1 (GJb1); Human Gap Junction Protein Beta 1 (GJb1) ELISA Kit; CMTX1; CX32; GJ-B1; Connexin 32; Charcot-Marie-Tooth Neuropathy; X-Linked; GAP junction 28 kDa liver protein; GJb1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of Gap Junction Protein Beta 1 (GJb1). No significant cross-reactivity or interference between Gap Junction Protein Beta 1 (GJb1) and analogues was observed.
Sequence Length	283
Assay Type	Double-antibody Sandwich
Samples	Serum, Plasma, Tissue homogenates, Cell lysates, Cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	0.061ng/mL
Application	Enzyme-linked immunosorbent assay for Antigen Detection.
Intra-assay Precision (Precision within an assay)	3 samples with low, middle and high level Gap Junction Protein Beta 1 (GJb1) were tested 20 times on one plate, respectively.
Inter-assay Precision (Precision between assays)	3 samples with low, middle and high level Gap Junction Protein Beta 1 (GJb1) were tested on 3 different plates, 8 replicates in each plate.
CV(%) =	SD/meanX100
Intra-Assay	CV<10%
Inter-Assay	CV<12%
Preparation and Storage	The stability of kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. To minimize extra influence on the performance, operation procedures and lab conditions, especially room temperature, air humidity, incubator temperature should be strictly controlled. It is also strongly suggested that the whole assay is performed by the same operator from the beginning to the end.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GJb1 elisa kit	The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Gap Junction Protein Beta 1 (GJb1). Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody specific to Gap Junction Protein Beta 1 (GJb1). Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain Gap Junction Protein Beta 1 (GJb1), biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm ± 10nm. The concentration of Gap Junction Protein Beta 1 (GJb1) in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Product Categories/Family for GJb1 elisa kit	Tumor immunity; Infection immunity; Neuroscience; Bone metabolism

NCBI AND UNIPROT INFORMATION

NCBI GI #	18490873
NCBI GeneID	2705
UniProt Accession #	P08034; Q5U0S4; B2R8R2; D3DVV2
Molecular Weight	32,025 Da
NCBI Official Full Name	Gap junction protein, beta 1, 32kDa
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
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/human-elisa-kits/gap-junction-protein-beta-1-gjb1/136687>