

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

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CATALOG #
AAA70906

REACTIVITY
Human

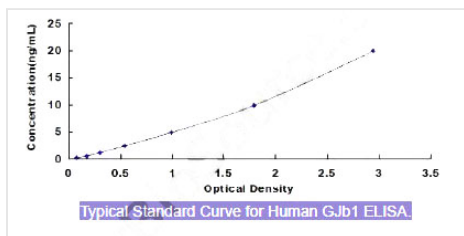
PRODUCT SYNONYMS

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 rtu elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of GJb1. No significant cross-reactivity or interference between GJb1 and analogues was observed.
Sequence Length	283
Samples	Human tissue homogenates or other biological fluids
Assay Type	Quantitative Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	< 0.108ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level GJb1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level GJb1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for GJb1 rtu elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of GJb1 in human tissue homogenates or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to GJb1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to 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 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 GJb1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
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NCBI AND UNIPROT INFORMATION

NCBI GI #	4504005
NCBI GeneID	2705
NCBI Accession #	NP_000157.1
NCBI GenBank Nucleotide #	NM_000166.5
UniProt Accession #	P08034; Q5U0S4; B2R8R2; D3DVV2
Molecular Weight	32,025 Da
NCBI Official Full Name	gap junction beta-1 protein
NCBI Official Synonym Full Names	gap junction protein beta 1
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

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-rtu-elisa-kits/gap-junction-protein-beta-1-gjb1/70906>