

Human Tafazzin (TAZ) ELISA Kit | TAZ elisa kit

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CATALOG #
AAA137385

REACTIVITY
Human

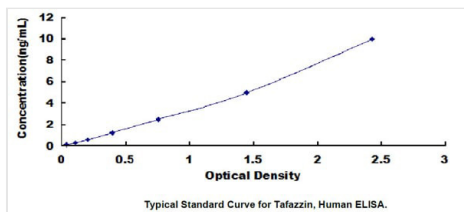
PRODUCT SYNONYMS

Tafazzin (TAZ); Human Tafazzin (TAZ) ELISA Kit; CMD3A; EFE2; EFE; BTHS; XAP-2; G4.5; Barth syndrome; Endocardial Fibroelastosis 2; Cardiomyopathy; Dilated 3A(X-Linked); TAZ elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of tafazzin. No significant cross-reactivity or interference between tafazzin and analogues was observed.
Sequence Length	278
Assay Type	Quantitative Sandwich
Samples	Human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.059ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level tafazzin 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 tafazzin were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. 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 TAZ elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to tafazzin. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to tafazzin. 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 tafazzin, 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 tafazzin in the samples is then determined by comparing the O.D. of the samples to the standard curve. Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of tafazzin in human serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids.
Product Categories/Family for TAZ elisa kit	Cardiovascular biology

NCBI AND UNIPROT INFORMATION

NCBI GI #	320543856
NCBI GeneID	36405
NCBI Accession #	NP_001188916.1
NCBI GenBank Nucleotide #	NM_001201987.2
UniProt Accession #	Q9V6G5; Q8ML32; Q8SZ79; Q9U9U8; Q9V6G4
Molecular Weight	38,650 Da
NCBI Official Full Name	tafazzin, isoform D
NCBI Official Synonym Full Names	Tafazzin
NCBI Official Symbol	Taz
NCBI Official Synonym Symbols	CG8766; DmelCG8766; dTAZ; tafazzin; TAZ
NCBI Protein Information	CG8766 gene product from transcript CG8766-RA
UniProt Protein Name	Tafazzin homolog
UniProt Gene Name	Taz
UniProt Synonym Gene Names	dTAZ
UniProt Entry Name	TAZ_DROME

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.