

Human Junction Plakoglobin (JUP) ELISA Kit | JUP elisa kit

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CATALOG #
AAA20345

REACTIVITY
Human

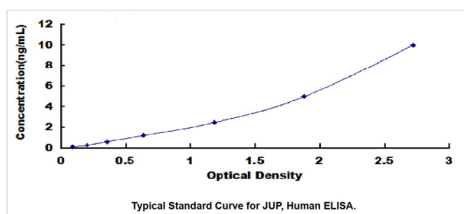
PRODUCT SYNONYMS

Junction Plakoglobin (JUP); Human Junction Plakoglobin (JUP) ELISA Kit; DP3; gCat; G-Cat; CTNNG; DPLI; PDGB; PKGB; Gamma Catenin; Desmoplakin III; Desmoplakin-3; JUP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity and excellent specificity for detection of JUP. No significant cross-reactivity or interference between JUP and analogues was observed.
Sequence Length	745
Assay Type	Quantitative Sandwich
Samples	Human tissue homogenates, cell lysates and other biological fluids
Detection Range	0.156-10ng/mL
Sensitivity	< 0.056ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level JUP 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 JUP 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 JUP elisa kit	Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to JUP. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to JUP. 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 JUP, 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 JUP 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 JUP in human tissue homogenates, cell lysates and other biological fluids.
Product Categories/Family for JUP elisa kit	CD & Adhesion molecule
References	Ovarian Blood Sampling Identifies Junction Plakoglobin as a Novel Biomarker of Early Ovarian Cancer; Front Oncol; 2020 Sep 25;10:1767.; PMID: 33102207; Florian Weiland; Adelaide Proteomics Centre, The University of Adelaide, Adelaide, SA, Australia.

NCBI AND UNIPROT INFORMATION

NCBI GI #	12056468
NCBI GeneID	3728
NCBI Accession #	NP_068831.1
NCBI GenBank Nucleotide #	NM_021991.2
UniProt Accession #	P14923; Q15093; Q15151; Q7L3S5; Q86W21; Q9BWC4; Q9HCX9
Molecular Weight	81,745 Da
NCBI Official Full Name	junction plakoglobin
NCBI Official Synonym Full Names	junction plakoglobin
NCBI Official Symbol	JUP
NCBI Official Synonym Symbols	DP3; PDGB; PKGB; CTNNG; DPIII; ARVD12
NCBI Protein Information	junction plakoglobin
UniProt Protein Name	Junction plakoglobin
UniProt Gene Name	JUP
UniProt Synonym Gene Names	CTNNG; DP3
UniProt Entry Name	PLAK_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.