

Canine Junction plakoglobin (JUP) ELISA Kit | JUP elisa kit

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CATALOG #
AAA245316

REACTIVITY
Canine

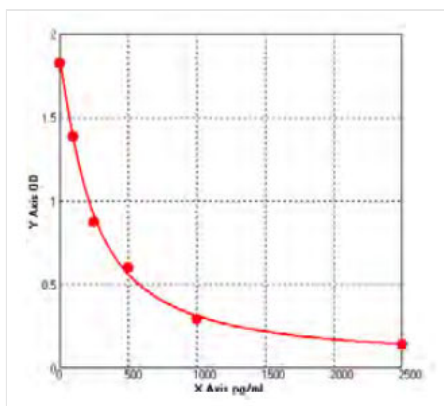
PRODUCT SYNONYMS

Junction plakoglobin (JUP); Canine Junction plakoglobin (JUP) ELISA Kit; JUP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
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. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between JUP and all the analogues, therefore, cross reaction may still exist in some cases.
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	1.0 pg/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for JUP elisa kit	Intended Uses: This JUP ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine JUP. This ELISA kit for research use only, not for therapeutic or test applications! Principle of the Assay: JUP ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-JUP antibody and an JUP-HRP conjugate. The assay sample and buffer are incubated together with JUP-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 JUP concentration since JUP from samples and JUP-HRP conjugate compete for the anti-JUP antibody binding site. Since the number of sites is limited, as more sites are occupied by JUP from the sample, fewer sites are left to bind JUP-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The JUP concentration in each sample is interpolated from this standard curve.
Product Categories/Family for JUP elisa kit	Signal Transduction

NCBI AND UNIPROT INFORMATION

NCBI GI #	12056468
NCBI GeneID	3728
NCBI Accession #	NP_068831.1
NCBI GenBank Nucleotide #	NM_021991.2
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; desmoplakin-3; desmoplakin III; catenin (cadherin-associated protein), gamma 80kDa
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.

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Online datasheet: <https://stage.aaabiotech.com/canine-elisa-kits/junction-plakoglobin-jup/245316>