

Canine Connexin 43 (CX43) ELISA Kit | CX43 elisa kit

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CATALOG #
AAA68285

REACTIVITY
Canine

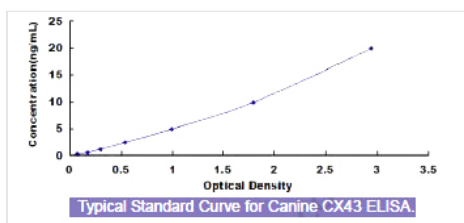
PRODUCT SYNONYMS

Connexin 43 (CX43); Canine Connexin 43 (CX43) ELISA Kit; CX43 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CX43. No significant cross-reactivity or interference between CX43 and analogues was observed.
Sequence Length	382
Samples	Tissue homogenates, cell lysates and other biological fluids.
Assay Type	Sandwich
Detection Range	0.312-20ng/mL
Sensitivity	0.074ng/mL
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CX43 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 CX43 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Preparation and Storage	For unopened kit, all reagents should be kept according to the labels on vials. The TMB Substrate, Wash Buffer, Stop Solution should be stored at 4 degree C. All others should be stored at -20 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CX43 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CX43 in canine tissue homogenates, cell lysates and other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CX43. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CX43. 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 CX43, 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 CX43 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 #	261399881
NCBI GeneID	403418
NCBI Accession #	NP_001002951.2
NCBI GenBank Nucleotide #	NM_001002951.3
UniProt Accession #	J9P7X9; Q6S9C0
Molecular Weight	43,005 Da
NCBI Official Full Name	gap junction alpha-1 protein
NCBI Official Symbol	GJA1
NCBI Official Synonym Symbols	cx43
NCBI Protein Information	gap junction alpha-1 protein
UniProt Protein Name	Gap junction protein
UniProt Gene Name	GJA1

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.