

Canine Cartilage intermediate layer protein 1 (CILP) ELISA Kit | CILP elisa kit

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CATALOG #
AAA244788

REACTIVITY
Canine

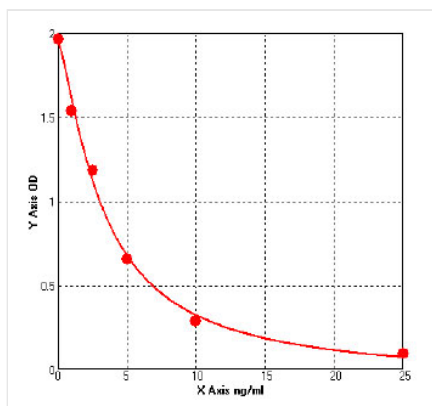
PRODUCT SYNONYMS

Cartilage intermediate layer protein 1 (CILP); Canine Cartilage intermediate layer protein 1 (CILP) ELISA Kit; CILP elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CILP. No significant cross-reactivity or interference between CILP and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CILP and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/mL
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

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

NCBI AND UNIPROT INFORMATION

NCBI GI #	317373560
NCBI GeneID	8483
Molecular Weight	132,565 Da
NCBI Official Full Name	Cartilage intermediate layer protein 1
NCBI Official Synonym Full Names	cartilage intermediate layer protein, nucleotide pyrophosphohydrolase
NCBI Official Symbol	CILP
NCBI Official Synonym Symbols	CILP-1; HsT18872
NCBI Protein Information	cartilage intermediate layer protein 1; cartilage intermediate-layer protein; cartilage intermediate layer protein 1 C1; cartilage intermediate layer protein 1 C2
UniProt Protein Name	Cartilage intermediate layer protein 1
UniProt Gene Name	CILP
UniProt Synonym Gene Names	UNQ602/PRO1188; CILP-1
UniProt Entry Name	CILP1_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/cartilage-intermediate-layer-protein-1-cilp/244788>