

Canine Dihydropyrimidinase Like Protein 2 ELISA Kit | DPYSL-2 elisa kit

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CATALOG #
AAA96381

REACTIVITY
Canine

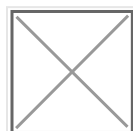
PRODUCT SYNONYMS

Dihydropyrimidinase Like Protein 2; Canine Dihydropyrimidinase Like Protein 2 ELISA Kit; DPYSL-2 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of DPLP2. No significant cross-reactivity or interference between DPLP2 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between DPLP2 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
Intended Uses	This DPYSL-2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine DPYSL-2. This ELISA kit for research use only, not for therapeutic applications
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Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for DPYSL-2 elisa kit

Principle of the Assay: DPLP2 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-DPLP2 antibody and an DPLP2-HRP conjugate. The assay sample and buffer are incubated together with DPLP2-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 DPLP2 concentration since DPLP2 from samples and DPLP2-HRP conjugate compete for the anti-DPLP2 antibody binding site. Since the number of sites is limited, as more sites are occupied by DPLP2 from the sample, fewer sites are left to bind DPLP2-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The DPLP2 concentration in each sample is interpolated from this standard curve.

Intended Uses: This DPLP2 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine DPLP2. This ELISA kit for research use only, not for therapeutic or test applications!

NCBI AND UNIPROT INFORMATION

NCBI GI #	4503377
NCBI GeneID	1808
NCBI Accession #	NP_001377.1
NCBI GenBank Nucleotide #	NM_001386.5
Molecular Weight	58,163 Da
NCBI Official Full Name	dihydropyrimidinase-related protein 2 isoform 2
NCBI Official Synonym Full Names	dihydropyrimidinase-like 2
NCBI Official Symbol	DPYSL2
NCBI Official Synonym Symbols	DRP2; N2A3; CRMP2; DRP-2; ULIP2; CRMP-2; DHPRP2; ULIP-2
NCBI Protein Information	dihydropyrimidinase-related protein 2; unc-33-like phosphoprotein 2; collapsin response mediator protein hCRMP-2
UniProt Protein Name	Dihydropyrimidinase-related protein 2
UniProt Gene Name	DPYSL2
UniProt Synonym Gene Names	CRMP2; ULIP2; DRP-2; CRMP-2; ULIP-2
UniProt Entry Name	DPYL2_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.

AAA Biotech | Tel: +1 (619) 604-9440 | Fax: +1 (619) 604-9441 | contact@aaabiotech.com
Online datasheet: <https://stage.aaabiotech.com/dpysl-2-canine-elisa-kits/dihydropyrimidinase-like-protein-2/96381>