

Canine Antigen Presenting Glycoprotein CD1d (CD1D) ELISA Kit | CD1D elisa kit

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CATALOG #
AAA247441

REACTIVITY
Canine

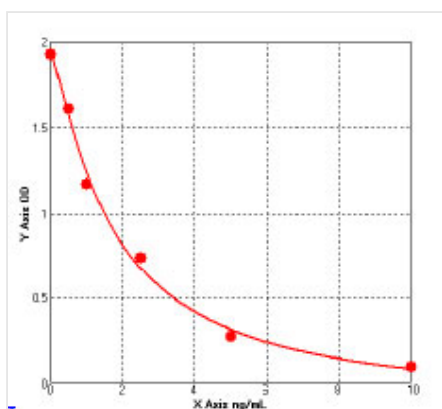
PRODUCT SYNONYMS

Antigen Presenting Glycoprotein CD1d (CD1D); Canine Antigen Presenting Glycoprotein CD1d (CD1D) ELISA Kit; CD1D elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Specificity	This assay has high sensitivity and excellent specificity for detection of CD1D. No significant cross-reactivity or interference between CD1D and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CD1D and all the analogues, therefore, cross reaction may still exist in some cases.
Sequence Length	242
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	Quantitative Competitive
Sensitivity	0.1 ng/mL
Reactivity Note	No significant cross-reactivity or interference between this antigen and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection, therefore, cross reaction may still exist in some cases.
Preparation and Storage	Store at 2-8 degree C. 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.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD1D elisa kit	Intended Uses: This CD1D ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD1D. This ELISA kit for research use only! Principle of the Assay: CD1D ELISA kit applies the competitive enzyme immunoassay technique utilizing an anti-CD1D antibody and an CD1D-HRP conjugate. The assay sample and buffer are incubated together with CD1D-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 CD1D concentration since CD1D from samples and CD1D-HRP conjugate compete for the anti-CD1D antibody binding site. Since the number of sites is limited, as more sites are occupied by CD1D from the sample, fewer sites are left to bind CD1D-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD1D concentration in each sample is interpolated from this standard curve.
Product Categories/Family for CD1D elisa kit	Immunology; Stem cells

NCBI AND UNIPROT INFORMATION

NCBI GI #	982742445
NCBI GeneID	912
NCBI Accession #	NP_001306074.1
NCBI GenBank Nucleotide #	NM_001319145.1
UniProt Accession #	P15813; Q5W0J3; Q9UMM3; Q9Y5M4; D3DVD5
Molecular Weight	37,717 Da
NCBI Official Full Name	antigen-presenting glycoprotein CD1d isoform 2
NCBI Official Synonym Full Names	CD1d molecule
NCBI Official Symbol	CD1D
NCBI Official Synonym Symbols	R3; CD1A; R3G1
NCBI Protein Information	antigen-presenting glycoprotein CD1d
UniProt Protein Name	Antigen-presenting glycoprotein CD1d
UniProt Gene Name	CD1D

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/antigen-presenting-glycoprotein-cd1d-cd1d/247441>