

Canine CD320 antigen (CD320) ELISA Kit | CD320 elisa kit

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CATALOG #
AAA245236

REACTIVITY
Canine

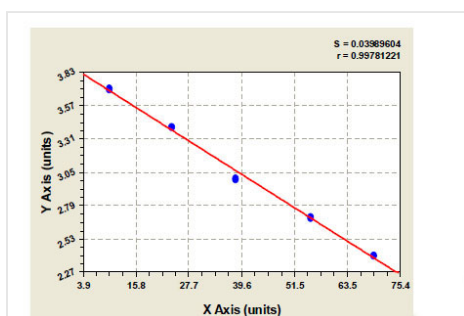
PRODUCT SYNONYMS

CD320 antigen (CD320); Canine CD320 antigen (CD320) ELISA Kit; CD320 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Assay Type	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 CD320 elisa kit

Intended Uses: This CD320 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD320. This ELISA kit for research use only!

Principle of the Assay||CD320 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CD320 antibody and an CD320-HRP conjugate. The assay sample and buffer are incubated together with CD320-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 CD320 concentration since CD320 from samples and CD320-HRP conjugate compete for the anti-CD320 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD320 from the sample, fewer sites are left to bind CD320-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD320 concentration in each sample is interpolated from this standard curve.

Product Categories/Family for CD320 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	259906403
NCBI GeneID	51293
NCBI Accession #	NP_001159367.1
NCBI GenBank Nucleotide #	NM_001165895.1
Molecular Weight	24,371 Da
NCBI Official Full Name	CD320 antigen isoform 2
NCBI Official Synonym Full Names	CD320 molecule
NCBI Official Symbol	CD320
NCBI Official Synonym Symbols	8D6; 8D6A; TCBLR
NCBI Protein Information	CD320 antigen; FDC-SM-8D6; 8D6 antigen; transcobalamin receptor; FDC-signaling molecule 8D6
UniProt Protein Name	CD320 antigen
UniProt Gene Name	CD320
UniProt Synonym Gene Names	8D6A; UNQ198/PRO224; FDC-SM-8D6; TCbIR
UniProt Entry Name	CD320_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/cd320-antigen-cd320/245236>