

Canine CMRF35-like molecule 2 (CD300E) ELISA Kit | CD300E elisa kit

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CATALOG #
AAA246559

REACTIVITY
Canine

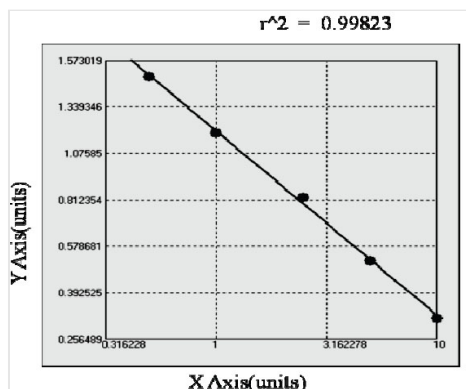
PRODUCT SYNONYMS

CMRF35-like molecule 2 (CD300E); Canine CMRF35-like molecule 2 (CD300E) ELISA Kit; CD300E elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	0.5-10ng/mL
Sensitivity	0.1ng/mL
Intended Uses	This CD83 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD83. This ELISA kit for research use only, not for therapeutic applications!
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CD300E elisa kit

Principle of the assay: CD83 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD83 antibody and an CD83-HRP conjugate. The assay sample and buffer are incubated together with CD83-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 CD83 concentration since CD83 from samples and CD83-HRP conjugate compete for the anti-CD83 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD83 from the sample, fewer sites are left to bind CD83-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD83 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	304571943
NCBI GeneID	342510
NCBI Accession #	NP_852114.2
NCBI GenBank Nucleotide #	NM_181449.2
Molecular Weight	22,918 Da
NCBI Official Full Name	CMRF35-like molecule 2
NCBI Official Synonym Full Names	CD300e molecule
NCBI Official Symbol	CD300E
NCBI Official Synonym Symbols	CLM2; CLM-2; IREM2; PIgR2; IREM-2; PIgR-2; CD300LE; CMRF35-A5
NCBI Protein Information	CMRF35-like molecule 2; CD300e antigen; poly-Ig receptor 2; CD300 antigen like family member E; CD300 antigen-like family member E; polymeric immunoglobulin receptor 2; immune receptor expressed on myeloid cells 2
UniProt Protein Name	CMRF35-like molecule 2
UniProt Gene Name	CD300E
UniProt Synonym Gene Names	CD300LE; CLM2; CMRF35A5; IREM2; CLM-2; IREM-2; PIgR-2; PIgR2; Poly-Ig receptor 2
UniProt Entry Name	CLM2_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.