

Canine CD83 antigen (CD83) ELISA Kit | CD83 elisa kit

Canine CD83 antigen (CD83) ELISA Kit

CATALOG #
AAA246038

REACTIVITY
Canine

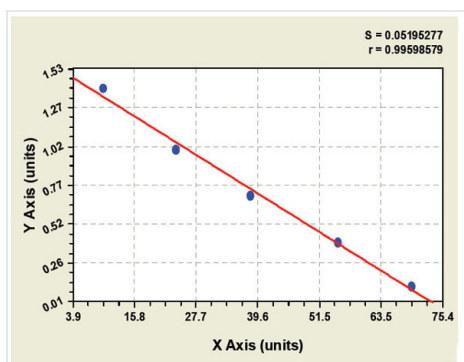
PRODUCT SYNONYMS

CD83 antigen (CD83); Canine CD83 antigen (CD83) ELISA Kit; CD83 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Canine
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/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 CD83 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.

Product Categories/Family for CD83 elisa kit

Immunology

NCBI AND UNIPROT INFORMATION

NCBI GI #	4757946
NCBI GeneID	9308
NCBI Accession #	NP_004224.1
NCBI GenBank Nucleotide #	NM_004233.3
Molecular Weight	23,042 Da
NCBI Official Full Name	CD83 antigen isoform a
NCBI Official Synonym Full Names	CD83 molecule
NCBI Official Symbol	CD83
NCBI Official Synonym Symbols	BL11; HB15
NCBI Protein Information	CD83 antigen; hCD83; B-cell activation protein; cell surface protein HB15; cell-surface glycoprotein; CD83 antigen (activated B lymphocytes, immunoglobulin superfamily)
UniProt Protein Name	CD83 antigen
UniProt Gene Name	CD83
UniProt Synonym Gene Names	hCD83
UniProt Entry Name	CD83_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://www.aaabiotech.com/canine-elisa-kits/cd83-antigen-cd83/246038>