

Canine Cluster of Differentiation 8 ELISA Kit | CD8 elisa kit

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CATALOG #
AAA89666

REACTIVITY
Canine

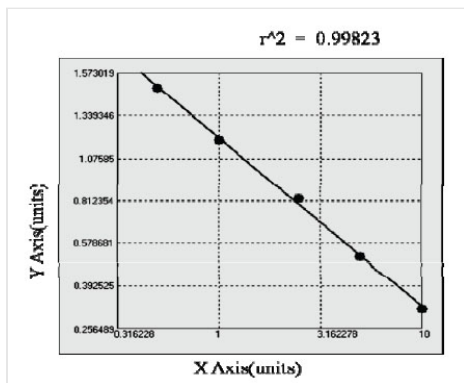
PRODUCT SYNONYMS

Cluster of Differentiation 8; Canine Cluster of Differentiation 8 ELISA Kit; CD8 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 CD8 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CD8. 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 CD8 elisa kit

Principle of the assay: CD8 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CD8 antibody and an CD8-HRP conjugate. The assay sample and buffer are incubated together with CD8-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 CD8 concentration since CD8 from samples and CD8-HRP conjugate compete for the anti-CD8 antibody binding site. Since the number of sites is limited, as more sites are occupied by CD8 from the sample, fewer sites are left to bind CD8-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CD8 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	178673
NCBI GeneID	926
Molecular Weight	22,237 Da
NCBI Official Full Name	CD8 antigen, partial
NCBI Official Synonym Full Names	CD8b molecule
NCBI Official Symbol	CD8B
NCBI Official Synonym Symbols	LY3; P37; LEU2; LYT3; CD8B1
NCBI Protein Information	T-cell surface glycoprotein CD8 beta chain; CD8 antigen, beta polypeptide 1 (p37); T lymphocyte surface glycoprotein beta chain
UniProt Protein Name	T-cell surface glycoprotein CD8 beta chain
UniProt Gene Name	CD8B
UniProt Synonym Gene Names	CD8B1
UniProt Entry Name	CD8B_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.