

Canine CytoKeratin 13 ELISA Kit | CK 13 elisa kit

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CATALOG #
AAA89472

REACTIVITY
Canine

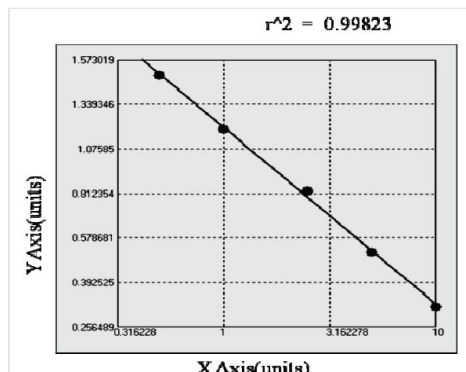
PRODUCT SYNONYMS

CytoKeratin 13; Canine CytoKeratin 13 ELISA Kit; CK 13 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 CK 13 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Canine CK 13. 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 CK 13 elisa kit

Principle of the Assay: CK 13 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CK 13 antibody and an CK 13-HRP conjugate. The assay sample and buffer are incubated together with CK 13-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 CK 13 concentration since CK 13 from samples and CK 13-HRP conjugate compete for the anti-CK 13 antibody binding site. Since the number of sites is limited, as more sites are occupied by CK 13 from the sample, fewer sites are left to bind CK 13-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CK 13 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	30377
UniProt Accession #	P13646; Q53G54; Q6AZK5; Q8N240
Molecular Weight	45,867 Da
NCBI Official Full Name	cytokeratin 13
UniProt Protein Name	Keratin, type I cytoskeletal 13
UniProt Gene Name	KRT13
UniProt Synonym Gene Names	CK-13; K13
UniProt Entry Name	K1C13_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.