

cytokeratin 18 ELISA Kit | CK 18 elisa kit

Rat cytokeratin 18 ELISA Kit

CATALOG #
AAA86686

REACTIVITY
Rat

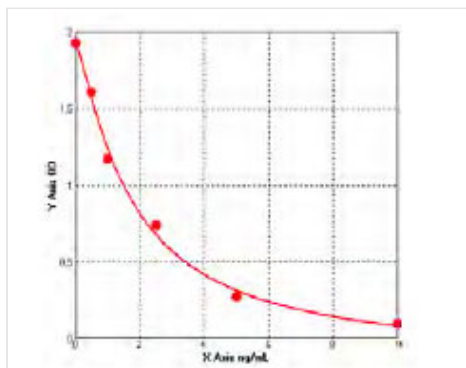
PRODUCT SYNONYMS

cytokeratin 18; Rat cytokeratin 18 ELISA Kit; CK 18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Rat
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Detection Range	1.0-25ng/mL
Sensitivity	0.1ng/ml
Preparation and Storage	Store all reagents at 2-8 degree C.

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CK 18 elisa kit

Intended Uses: This CK18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Rat CK18. This ELISA kit for research use only!

Principle of the Assay: CK18 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CK18 antibody and an CK18-HRP conjugate. The assay sample and buffer are incubated together with CK18-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 CK18 concentration since CK18 from samples and CK18-HRP conjugate compete for the anti-CK18 antibody binding site. Since the number of sites is limited, as more sites are occupied by CK18 from the sample, fewer sites are left to bind CK18-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CK18 concentration in each sample is interpolated from this standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	34037
NCBI GeneID	3875
UniProt Accession #	P05783; Q53G38; Q5U0N8; Q9BW26
Molecular Weight	48,058 Da
NCBI Official Full Name	cytokeratin 18
NCBI Official Synonym Full Names	keratin 18
NCBI Official Symbol	KRT18
NCBI Official Synonym Symbols	K18; CYK18
NCBI Protein Information	keratin, type I cytoskeletal 18; CK-18; keratin-18; cytokeratin 18; cytokeratin-18; cell proliferation-inducing protein 46; cell proliferation-inducing gene 46 protein
UniProt Protein Name	Keratin, type I cytoskeletal 18
UniProt Gene Name	KRT18
UniProt Synonym Gene Names	CYK18; PIG46; CK-18; K18
UniProt Entry Name	K1C18_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.