

Porcine CytoKeratin 18 ELISA Kit | CK 18 elisa kit

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CATALOG #
AAA16986

REACTIVITY
Porcine

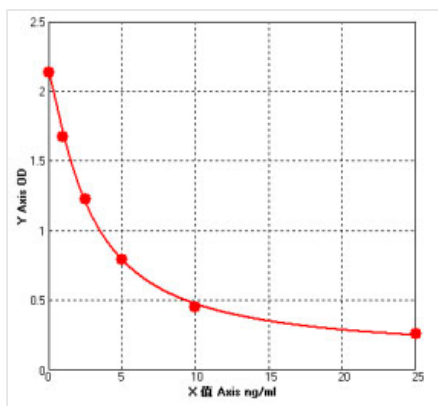
PRODUCT SYNONYMS

CytoKeratin 18; Porcine CytoKeratin 18 ELISA Kit; CK 18 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Porcine
Specificity	This assay has high sensitivity and excellent specificity for detection of CY18. No significant cross-reactivity or interference between CY18 and analogues was observed. NOTE: Limited by current skills and knowledge, it is impossible for us to complete the cross-reactivity detection between CY18 and all the analogues, therefore, cross reaction may still exist in some cases.
Assay Type	Quantitative Competitive
Samples	Serum, plasma, cell culture supernatants, body fluid and tissue homogenate
Sensitivity	0.1 ng/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	Principle of the Assay: CY18 ELISA kit applies the competitive enzyme immunoassay technique utilizing a polyclonal anti-CY18 antibody and an CY18-HRP conjugate. The assay sample and buffer are incubated together with CY18-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 CY18 concentration since CY18 from samples and CY18-HRP conjugate compete for the anti-CY18 antibody binding site. Since the number of sites is limited, as more sites are occupied by CY18 from the sample, fewer sites are left to bind CY18-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CY18 concentration in each sample is interpolated from this standard curve. Intended Uses: This CY18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Porcine CY18. This ELISA kit for research use only, not for therapeutic or diagnostic applications!
Product Categories/Family for CK 18 elisa kit	Cell Biology

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.