

Sheep CytoKeratin 18 ELISA Kit | CK 18 elisa kit

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CATALOG #
AAA92016

REACTIVITY
Sheep

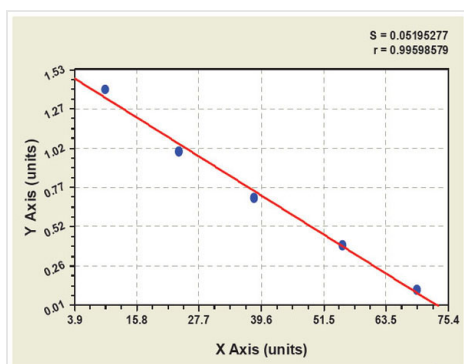
PRODUCT SYNONYMS

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

PRODUCT SPECIFICATIONS

Reactivity	Sheep
Samples	Serum, plasma, Cell Culture Supernatants, body fluid and tissue homogenate
Assay Type	Competitive
Sensitivity	0.1 ng/mL.
Intended Uses	This CK 18 ELISA kit is a 1.5 hour solid-phase ELISA designed for the quantitative determination of Sheep CK 18. 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 18 elisa kit

Principle of the assay: CK 18 ELISA kit applies the competitive enzyme immunoassay technique utilizing a monoclonal anti-CK 18 antibody and an CK 18-HRP conjugate. The assay sample and buffer are incubated together with CK 18-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 18 concentration since CK 18 from samples and CK 18-HRP conjugate compete for the anti-CK 18 antibody binding site. Since the number of sites is limited, as more sites are occupied by CK 18 from the sample, fewer sites are left to bind CK 18-HRP conjugate. A standard curve is plotted relating the intensity of the color (O.D.) to the concentration of standards. The CK 18 concentration in each sample is interpolated from this standard curve.

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.

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Online datasheet: <https://stage.aaabiotech.com/ck-18-sheep-elisa-kits/cytokeratin-18/92016>