

Human Cytokeratin Fragment Antigen 21-1 (CYFRA21-1) ELISA Kit | CYFRA21-1 elisa kit

Human Cytokeratin Fragment Antigen 21-1 (CYFRA21-1) Mini Samples ELISA Kit

CATALOG #
AAA147392

REACTIVITY
Human

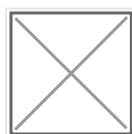
PRODUCT SYNONYMS

Cytokeratin Fragment Antigen 21-1 (CYFRA21-1); Human Cytokeratin Fragment Antigen 21-1 (CYFRA21-1) Mini Samples ELISA Kit; CYFRA21-1 elisa kit

PRODUCT SPECIFICATIONS

Reactivity	Human
Specificity	This assay has high sensitivity for detection of CYCS. 100% cross-reactivity of CYCS was observed between human, rat and mouse samples.
Sequence Length	400
Samples	Tissue Homogenates, Cell Lysates, Cell Culture Supernates And Other Biological Fluids
Assay Type	Quantitative Sandwich
Detection Range	1.56-100ng/mL
Sensitivity	0.55ng/mL.
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYCS were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CYCS were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%

IMAGES



Standard Curve (Sample)

ADDITIONAL INFORMATION

Related Product Information for CYFRA21-1 elisa kit

Intended Uses: The kit is a sandwich enzyme immunoassay for in vitro quantitative measurement of CYCS in tissue homogenates, cell lysates, cell culture supernates and other biological fluids. Due to the 91% homology of the sequence among different species, the kit can be used to detect human, rat and mouse samples..

Principle of the Assay: The microplate provided in this kit has been pre-coated with an antibody specific to CYCS. Standards or samples are then added to the appropriate microplate wells with a biotin-conjugated antibody specific to CYCS. Next, Avidin conjugated to Horseradish Peroxidase (HRP) is added to each microplate well and incubated. After TMB substrate solution is added, only those wells that contain CYCS, biotin-conjugated antibody and enzyme-conjugated Avidin will exhibit a change in color. The enzyme-substrate reaction is terminated by the addition of sulphuric acid solution and the color change is measured spectrophotometrically at a wavelength of 450nm +/- 10nm. The concentration of CYCS in the samples is then determined by comparing the O.D. of the samples to the standard curve.

NCBI AND UNIPROT INFORMATION

NCBI GI #	24234699
NCBI GeneID	3880
NCBI Accession #	NP_002267.2
NCBI GenBank Nucleotide #	NM_002276.4
UniProt Accession #	P08727; Q5XG83; Q6NW33; Q7L5M9; Q96A53; Q96FV1; Q9BYF9; Q9P1Y4; B2R874
Molecular Weight	44,106 Da
NCBI Official Full Name	keratin, type I cytoskeletal 19
NCBI Official Synonym Full Names	keratin 19
NCBI Official Symbol	KRT19
NCBI Official Synonym Symbols	K19; CK19; K1CS
NCBI Protein Information	keratin, type I cytoskeletal 19
UniProt Protein Name	Keratin, type I cytoskeletal 19
UniProt Gene Name	KRT19
UniProt Synonym Gene Names	CK-19; K19

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/human-elisa-kits/cytokeratin-fragment-antigen-21-1-cyfra21-1/147392>