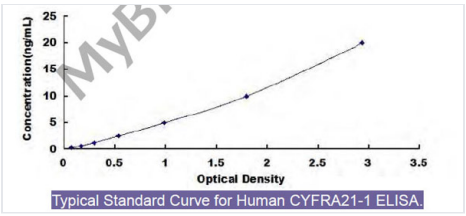
Cytokeratin Fragment Antigen 21-1 (CYFRA21-1) ELISA Kit for Human

PRODUCT OVERVIEW

Product Name	Cytokeratin Fragment Antigen 21-1 (CYFRA21-1), ELISA Kit
Full Product Name	Human Cytokeratin Fragment Antigen 21-1 (CYFRA21-1) ELISA Kit
Product Gene Name	CYFRA21-1 elisa kit
Species Reactivity	Human
Assay Type	Quantitative Sandwich
Samples	Serum, plasma, tissue homogenates, saliva or other biological fluids
Detection Range	0.312-20ng/mL
Sensitivity	< 0.124ng/mL
Specificity	This assay has high sensitivity and excellent specificity for detection of CYFRA21-1. No significant cross-reactivity or interference between CYFRA21-1 and analogues was observed.
Preparation and Storage	For unopened kits: All the reagents should be kept at 4 degree C upon receipt. For opened kits: Once the kit is opened, the remaining reagents still need to be stored according to the above storage conditions. In addition, return the unused wells to the foil pouch containing the desiccant pack and reseal along entire edge of zip-seal.
Inter-assay Precision	Inter-assay Precision (Precision between assays): 3 samples with low, middle and high level CYFRA21-1 were tested on 3 different plates, 8 replicates in each plate. CV(%) = SD/meanX100. Inter-Assay: CV<12%
Intra-assay Precision	Intra-assay Precision (Precision within an assay): 3 samples with low, middle and high level CYFRA21-1 were tested 20 times on one plate, respectively. Intra-Assay: CV<10%
ISO Certification	Manufactured in an ISO 13485:2003 and EN ISO 13485:2012 Certified Laboratory.
Related Product Information for CYFRA21-1 elisa kit	Intended Uses: The kit is a sandwich enzyme immunoassay for the in vitro quantitative measurement of CYFRA21-1 in human serum, plasma, tissue homogenates, saliva or other biological fluids. Principle of the Assay: The microtiter plate provided in this kit has been pre-coated with an antibody specific to CYFRA21-1. Standards or samples are then added to the appropriate microtiter plate wells with a biotin-conjugated antibody preparation specific to CYFRA21-1. 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 CYFRA21-1, 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 CYFRA21-1 in the samples is then determined by comparing the O.D. of the samples to the standard curve.
Other Notes	Small volumes of CYFRA21-1 elisa kit vial(s) may occasionally become entrapped in the seal of the product vial during shipment and storage. If necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the container`s cap. Certain products may require to ship with dry ice and additional dry ice fee may apply.
Searchable Terms for CYFRA21-1 purchase	MBS458721 is a ready-to-use microwell, strip-or-full plate ELISA (enzyme-linked immunosorbent assay) Kit for analyzing the presence of the Cytokeratin Fragment Antigen 21-1 (CYFRA21-1) ELISA Kit target analytes in biological samples. The concentration gradients of the kit standards or positive controls render a theoretical kit detection range in biological research samples containing CYFRA21-1. The ELISA analytical biochemical technique of the MBS458721 kit is based on CYFRA21-1 antibody-CYFRA21-1 antigen interactions (immunosorbency) and an HRP colorimetric detection system to detect CYFRA21-1 antigen targets in samples. The ELISA Kit is designed to detect native, not recombinant, CYFRA21-1. Appropriate sample types may include undiluted body fluids and/or tissue homogenates, secretions. Quality control assays assessing reproducibility identified the intra-assay CV (%) and inter-assay CV(%).



Typical Testing Data/Standard Curve (for reference only) of CYFRA21-1 elisa kit

For Research Use Only. Not for use in diagnostic or therapeutic procedures.

MyBioSource | Tel: +1.858.633.0165 | Fax: +1.858.633.0166 | mybiosource.com/contact-us
Online datasheet: https://www.mybiosource.com/human-elisa-kits/cytokeratin-fragment-antigen-21-1-cyfra21-1/458721