

Product Datasheet

Human Flap Endonuclease 1 (FEN1) ELISA Kit (orb1950102)

Catalog Number	orb1950102
Category	Assays and Kits
Description	<p>The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human FEN1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human FEN1. 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 Human FEN1, 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 \pm 10nm. The concentration of Human FEN1 in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Human
Concentration	1000 pg/mL
UniProt ID	P39748

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Application notes

standard: 1000 pg/mL. Test principle: The test principle applied in this kit is Sandwich enzyme immunoassay. The microtiter plate provided in this kit has been pre-coated with an antibody specific to Human FEN1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human FEN1. 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 Human FEN1, 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 \pm 10nm. The concentration of Human FEN1 in the samples is then determined by comparing the OD of the samples to the standard curve

Assay Type

Sandwich

Assay Time

3.5h

Range

15.63-1000 pg/mL

Sensitivity

3.74 pg/mL

Sample Types

serum, plasma, tissue homogenates and other biological fluids

Note

For research use only

Expiration Date

6 months from date of receipt.

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