

## Product Datasheet

# Human Ferritin (FE) EasyStep ELISA Kit (orb1950184)

**Catalog Number** orb1950184

**Category** Assays and Kits

**Description** 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 FE, and the Human FE standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Human FE. After TMB substrate solution is added, only those wells that contain Human FE and HRP-conjugated antibody 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 FE in the samples is then determined by comparing the OD of the samples to the standard curve.

**Reactivity** Human

**Concentration** 20 ng/mL

**Application notes** standard: 20 ng/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 FE, and the Human FE standard plate wells that pre-coated using protein-related techniques are provided separately. Standard/Sample Diluent Buffer or samples are added to the appropriate microtiter plate wells ,then added a HRP-conjugated antibody specific to Human FE. After TMB substrate solution is added, only those wells that contain Human FE and HRP-conjugated antibody 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 FE in the samples is then determined by comparing the OD of the samples to the standard curve

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<b>Assay Type</b>	Sandwich
<b>Assay Time</b>	1.5h
<b>Range</b>	0.32-20 ng/mL
<b>Sensitivity</b>	3.2 pg/mL
<b>Sample Types</b>	Serum
<b>Note</b>	For research use only
<b>Expiration Date</b>	6 months from date of receipt.

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