

## Product Datasheet

# Human Osteocalcin (OC) EasyStep ELISA Kit (orb1817400)

|                       |   |
|-----------------------|---|
| <b>Catalog Number</b> | orb1817400  |
| <b>Category</b>       | Assays and Kits   |
| <b>Description</b>    | <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 OC, and the Human OC 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 OC. After TMB substrate solution is added, only those wells that contain Human OC 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 <math>\pm</math> 10nm. The concentration of Human OC in the samples is then determined by comparing the OD of the samples to the standard curve.</p> |
| <b>Reactivity</b>     | Human   |
| <b>Concentration</b>  | 15 ng/mL  |
| <b>UniProt ID</b>     | <b>P02818</b>   |

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**Application notes**

standard: 15 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 OC, and the Human OC 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 OC. After TMB substrate solution is added, only those wells that contain Human OC 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 OC in the samples is then determined by comparing the OD of the samples to the standard curve

**Assay Type**

Sandwich

**Assay Time**

1.5h

**Range**

0.23-15 ng/mL

**Sensitivity**

0.14 ng/mL

**Sample Types**

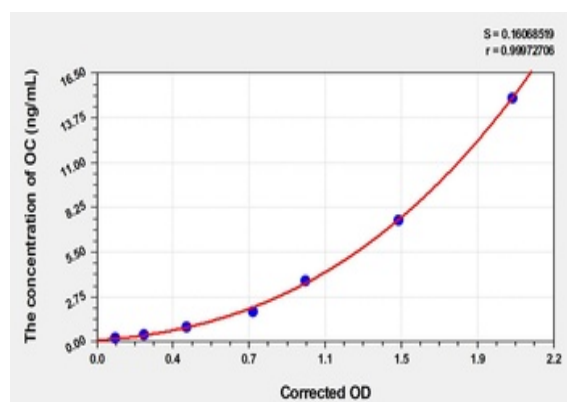
Serum

**Note**

For research use only

**Expiration Date**

6 months from date of receipt.

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