

Product Datasheet

Human Vascular Endothelial Growth Factor A (VEGFA) EasyStep ELISA Kit (orb1950027)

Catalog Number	orb1950027
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 VEGFA, and the Human VEGFA 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 VEGFA. After TMB substrate solution is added, only those wells that contain Human VEGFA 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 VEGFA in the samples is then determined by comparing the OD of the samples to the standard curve.
Reactivity	Human
Concentration	5000 pg/mL
UniProt ID	P15692

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Application notes

standard: 5000 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 VEGFA, and the Human VEGFA 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 VEGFA. After TMB substrate solution is added, only those wells that contain Human VEGFA 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 $450\text{nm} \pm 10\text{nm}$. The concentration of Human VEGFA 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

78.2-5000 pg/mL

Sensitivity

31 pg/mL

Sample Types

Serum, plasma

Note

For research use only

Expiration Date

6 months from date of receipt.

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