

Product Datasheet

Human Complement Component 5a Receptor 1 (C5aR1) ELISA Kit (orb1173556)

Catalog Number	orb1173556
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 Complement Component 5a Receptor 1(C5aR1). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Complement Component 5a Receptor 1(C5aR1). 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 Complement Component 5a Receptor 1(C5aR1), 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 Complement Component 5a Receptor 1(C5aR1) in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Human
Concentration	20 ng/mL
UniProt ID	P21730
Tested applications	ELISA

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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 C5aR1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human C5aR1. 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 C5aR1, 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 Human C5aR1 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

0.32-20 ng/mL

Sensitivity

0.119ng/mL

Sample Types

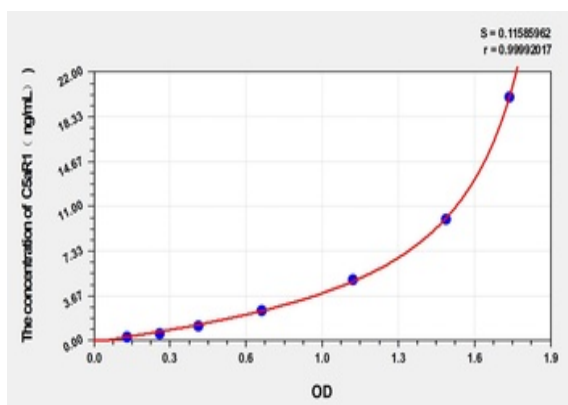
tissue homogenates, cell lysates and other biological fluids

Note

For research use only

Expiration Date

Please enquire.



Standard curve for orb1173556 ELISA kit.

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