

Product Datasheet

Human High Sensitivity C Reactive Protein (hs-CRP) EasyStep ELISA Kit (orb1950023)

Catalog Number	orb1950023
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 CRP, and the Human CRP 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 CRP. After TMB substrate solution is added, only those wells that contain Human CRP 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 CRP in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Human
Concentration	5000 pg/mL
UniProt ID	P02741

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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 CRP, and the Human CRP 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 CRP. After TMB substrate solution is added, only those wells that contain Human CRP 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 CRP 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

78.13-5000 pg/mL

Sensitivity

21 pg/mL

Sample Types

Serum, plasma

Note

For research use only

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