

Product Datasheet

Human T-cell differentiation Antigen CD6 (CD6) ELISA Kit (orb2284536)

Catalog Number	orb2284536
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 CD6. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CD6. 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 CD6, 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 Human CD6 in the samples is then determined by comparing the OD of the samples to the standard curve.</p>
Reactivity	Human
Concentration	2000 pg/mL
UniProt ID	P30203
Tested applications	ELISA

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Application notes

standard: 2000 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 CD6. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human CD6. 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 CD6, 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 Human CD6 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

31.25-2000 pg/mL

Sensitivity

11.5 pg/mL

Sample Types

Serum, plasma, tissue homogenates and other biological fluids

Note

For research use only

Expiration Date

6 months from date of receipt.

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