

Product Datasheet

Sheep Immunoglobulin A (IgA) ELISA Kit (orb1146879)

Catalog Number orb1146879

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 Immunoglobulin A(IgA). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Immunoglobulin A(IgA). 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 Immunoglobulin A(IgA), 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 $450\text{nm} \pm 10\text{nm}$. The concentration of Immunoglobulin A(IgA) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity Sheep

Concentration 100 $\mu\text{g/mL}$

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Application notes

standard: 50 µg/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 Sheep IgA. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Sheep IgA. 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 Sheep IgA, 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 Sheep IgA 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

0.79-50 ug/mL

Sensitivity

0.34 ug/mL

Sample Types

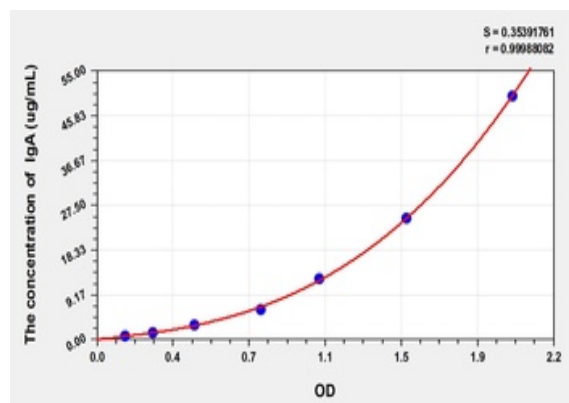
Serum, plasma, saliva and other biological fluids

Note

For research use only

Expiration Date

Please enquire.



Standard curve for orb1146879 ELISA kit.

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