

Product Datasheet

Human SialicAcid Binding Ig Like Lectin 3 (SIGLEC3) ELISA Kit (orb1146737)

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 SialicAcid Binding Ig Like Lectin 3(SIGLEC3). Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to SialicAcid Binding Ig Like Lectin 3(SIGLEC3). 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 SialicAcid Binding Ig Like Lectin 3(SIGLEC3), 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 SialicAcid Binding Ig Like Lectin 3(SIGLEC3) in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Human

Range

0.16-10 ng/mL

Concentration

10 ng/mL

Note

For research use only

Biorbyt Ltd.

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Application notes

standard: 10 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 SIGLEC3. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human SIGLEC3. 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 SIGLEC3, 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 Human SIGLEC3 in the samples is then determined by comparing the OD of the samples to the standard curve

Sample Types

serum, plasma, tissue homogenates, cell lysates, cell culture supernates and other biological fluids

Assay Time

3.5h

Uniprot ID

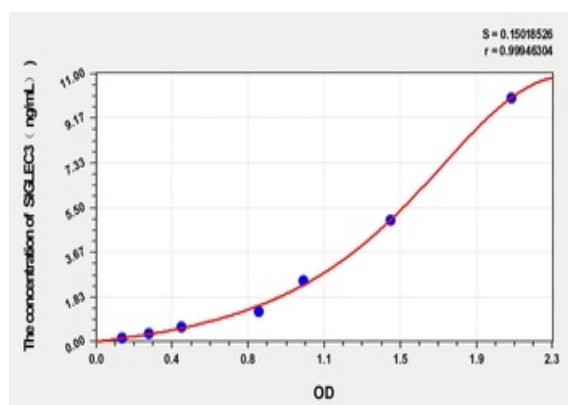
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Sensitivity

0.1 ng/mL

Expiration Date

Please enquire.

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