

Product Datasheet

Human Anti-Ganglioside Antibody (Anti-GM1) ELISA Kit (orb1736643)

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 Human Anti-GM1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Anti-GM1. 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 Anti-GM1, 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 Anti-GM1 in the samples is then determined by comparing the OD of the samples to the standard curve.

Reactivity

Human

Range

1.25-80 ng/mL

Concentration

80 ng/mL

Note

For research use only

Application notes

standard: 80 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 Anti-GM1. Standards or samples are added to the appropriate microtiter plate wells then with a biotin-conjugated antibody specific to Human Anti-GM1. 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 Anti-GM1, 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 Anti-GM1 in the samples is then determined by comparing the OD of the samples to the standard curve

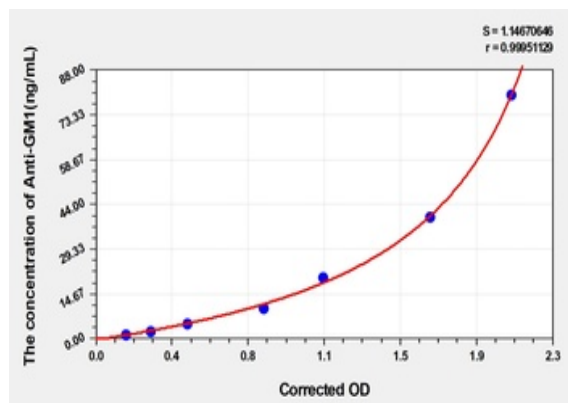
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Sample Types	Serum, plasma, tissue homogenates and other biological fluids
Assay Time	3.5h
Sensitivity	0.56 ng/mL
Expiration Date	Please enquire.

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