

Product Datasheet

Human Sialic Acid (SA) ELISA Kit (orb1946837)

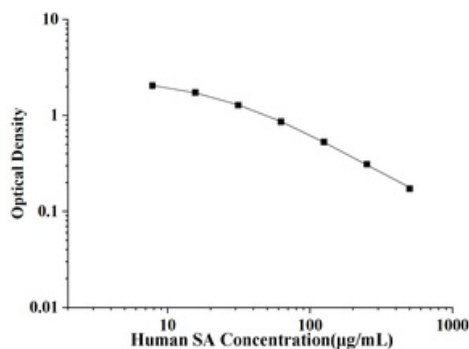
Catalog Number	orb1946837
Category	Assays and Kits
Description	Human Sialic Acid (SA) ELISA Kit
Target	SA
Reactivity	Human
Application notes	This ELISA kit uses the Competitive-ELISA principle. The micro ELISA plate provided in this kit has been pre-coated with Human SA. During the reaction, Human SA in the sample or standard competes with a fixed amount of Human SA on the solid phase supporter for sites on the Biotinylated Detection Ab specific to Human SA. Excess conjugate and unbound sample or standard are washed away, and Avidin-Horseradish Peroxidase (HRP) conjugate are added to each micro plate well and incubated. Then a TMB substrate solution is added to each well. The enzyme-substrate reaction is terminated by the addition of stop solution and the color turns from blue to yellow. The optical density (OD) is measured spectrophotometrically at a wavelength of $450\text{ nm} \pm 2\text{ nm}$. The concentration of Human SA in tested samples can be calculated by comparing the OD of the samples to the standard curve.
Assay Type	Competitive
Assay Time	1.5H
Standard	500 $\mu\text{g/mL}$
Range	7.82-500 $\mu\text{g/mL}$
Sensitivity	4.69 $\mu\text{g/mL}$
Sample Types	Brain tissue
Note	For research use only

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