Human Salivary duct autoantibody (SDA) ELISA Kit

Catalog No: #EK11763

Package Size: #EK11763-1 48T #EK11763-2 96T

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Description

Product Name	Human Salivary duct autoantibody (SDA) ELISA Kit
Brief Description	ELISA Kit
Applications	ELISA
Species Reactivity	Human (Homo sapiens)
Storage	The stability of ELISA kit is determined by the loss rate of activity. The loss rate of this kit is less than 5% within the expiration date under appropriate storage condition. The loss rate was determined by accelerated thermal degradation test. Keep the kit at 37C for 4 and 7 days, and compare O.D.values of the kit kept at 37C with that of at recommended temperature. (referring from China Biological Products Standard, which was calculated by the Arrhenius equation. For ELISA kit, 4 days storage at 37C can be considered as 6 months at 2 - 8C, which means 7 days at 37C equaling 12 months at 2 - 8C).

Application Details

Detect Range:0.312-20 ng/mL

Sensitivity:0.113 ng/mL

Sample Type:Serum, Plasma, Other biological fluids

Sample Volume: 1-200 µL

Assay Time:1-4.5h

Detection wavelength:450 nm

Product Description

Detection Method:Competitive ELISATest principle:This assay employs the competitive enzyme immunoassay technique. The microtiter plate provided in this kit has been pre-coated with an antibody specific to SDA. Standards or samples are then added to the appropriate microtiter plate wells with a Horseradish Peroxidase (HRP)-conjugated SDA and incubated. The competitive inhibition reaction is launched between with HRP labeled SDA and unlabeled SDA with the antibody. A substrate solution is added to the wells and the color develops in opposite to the amount of SDA in the sample. The color development is stopped and the intensity of the color is measured.Product Overview:B4GALNT2 catalyzes the last step in the biosynthesis of the human Sd(a) antigen through the addition of an N-acetylgalactosamine residue via a beta-1,4 linkage to a subterminal galactose residue substituted with an alpha-2,3-linked sialic acid. B4GALNT2 also catalyzes the last step in the biosynthesis of the Cad antigen. The longer transcript encodes a deduced 566-amino acid protein with a calculated molecular mass of 63.3 kD. It contains an N-terminal cytosolic domain, followed by a transmembrane domain and a long catalytic domain. The shorter transcript encodes a deduced 506-amino acid protein with calculated molecular mass of 57.0 kD. It has a different N-terminal cytosolic domain than the full-length form. Northern blot analysis detected B4GALNT2 transcripts of 8.8, 6.1, 4.7, 3.8, and 1.65 kb.

Note: This product is for in vitro research use only