

Datasheet for ABIN1326804 **ACA-IgM ELISA Kit**



[Go to Product page](#)

Overview

Quantity:	96 tests
Target:	ACA-IgM
Reactivity:	Human
Method Type:	Competition ELISA
Application:	ELISA

Product Details

Purpose:	Diluted patient serum (serum diluent contains sorbent to remove Rheumatoid Factor and human IgG interference) is added to wells coated with purified aCL antigen. aCL specific IgM antibody, if present, binds to the antigen. All unbound materials are washed away and the enzyme conjugate is added to bind to the antibody-antigen complex, if present. Excess enzyme conjugate is washed off and substrate is added. The plate is incubated to allow the hydrolysis of the substrate by the enzyme. The intensity of the color generated is proportional to the amount of specific IgM antibody in the sample.
----------	---

Sample Type:	Serum
Analytical Method:	Qualitative
Detection Method:	Colorimetric

Target Details

Target:	ACA-IgM
Alternative Name:	Cardiolipin IgM

Target Details

Target Type: Antibody

Background: Measurement of IgG, IgM and IgA cardiolipin autoantibodies (aCL) by EIA is the standard procedure for the detection of antiphospholipid antibodies (aPL) in patients with suspected antiphospholipid syndrome (APS). High aCL concentrations are associated with increased risk of venous and arterial thrombosis, recurrent pregnancy loss and thrombocytopenia. Patients with the anti-cardiolipin syndrome have one of the above clinical features and have antibodies to cardiolipin and/or a positive lupus anticoagulant test. The antibodies present to cardiolipin may be of the IgG, IgA, IgM isotypes. Testing for the various antibody isotypes to cardiolipin aid in diagnosis of the anti-phospholipid syndrome in patients with SLE or lupus-like disorders. Binding of aCL to CL in patients with autoimmune diseases is dependent on the presence of the cofactor β_2 -glycoprotein I (β_2 -GPI) this binding is independent of β_2 -GPI in patients with infectious diseases (e.g., syphilis, tuberculosis). Recognition of the role of β_2 -GPI in the binding of aCL led to development of assay for direct measurement of β_2 -GPI autoantibodies using β_2 -GPI as antigen, allowing a clear distinction between β_2 -GPI autoantibodies and those that bind to CL alone.

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C