



Datasheet for ABIN1326910 **Toxoplasma IgM ELISA Kit**



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1 Publication

Overview

Quantity:	96 tests
Target:	Toxoplasma 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 antigen. IgM specific 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 IgM specific antibody in the sample.

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

Target Details

Target:	Toxoplasma IgM
Alternative Name:	Toxoplasma IgM (Toxoplasma IgM Products)

Target Details

Target Type: Antibody

Background: *Toxoplasma gondii* causes toxoplasmosis, a common disease that affects 30-50 of every 100 people in North America by the time they are adults. The main source of infection is direct contact with cat feces or from eating undercooked meats. Toxoplasmosis generally presents with mild symptoms in immunocompetent individuals in the immunocompromised patient, however, the infection can have serious consequences. Acute toxoplasmosis in pregnant women can result in miscarriage, poor growth, early delivery or stillbirth. Treatment of an infected pregnant woman may prevent or lessen the disease in her unborn child. Treatment of an infected infant will also lessen the severity of the disease as the child grows. IgG and IgM antibodies to *Toxoplasma* can be detected with 2-3 weeks after exposure. IgG remains positive, but the antibody level drops overtime. ELISA can detect *Toxoplasma* IgM antibody after one year after infection in over 50% of patients. Therefore, IgM positive results should be evaluated further with one or two follow up samples if primary infection is suspected.

Application Details

Plate: Pre-coated

Restrictions: For Research Use only

Handling

Storage: 4 °C

Publications

Product cited in: Balato, Zhao, Harberts, Groleau, Liu, Fischelevich, Gaspari: "CD1d-dependent, iNKT-cell cytotoxicity against keratinocytes in allergic contact dermatitis." in: **Experimental dermatology**, Vol. 21, Issue 12, pp. 915-20, (2012) ([PubMed](#)).

Sikder, Zhao, Balato, Chapoval, Fischelevich, Gade, Singh, Kalvakolanu, Johnson, Gaspari: "A central role for transcription factor C/EBP-beta in regulating CD1d gene expression in human keratinocytes." in: **Journal of immunology (Baltimore, Md. : 1950)**, Vol. 183, Issue 3, pp. 1657-66, (2009) ([PubMed](#)).