

Native *Toxoplasma gondii* IgM antigen, RH strain

Cat. No. IgM-04T Lot. No. (See product label)

SPECIFICATION

Product Overview	A highly purified source of <i>Toxoplasma gondii</i> membrane antigens, optimised for IgM detection.
Species	T. Gondii, Strain RH
Source	Vero
Description	<p><i>Toxoplasma gondii</i> (<i>T. gondii</i>) is an obligate intracellular parasitic protozoan of the phylum Apicomplexa. It is the causative agent of the disease Toxoplasmosis, a common parasitic zoonoses which is widespread throughout most of the world. The domestic cat and other members of the family Felidae are the only definitive hosts for <i>T.gondii</i>. However, <i>T.gondii</i> is also capable of infecting a wide range of birds and mammals, including humans, which act as intermediate hosts. In domestic cats, sexual replication of <i>T. gondii</i> occurs with the release of oocysts into the environment, in cat faeces. In humans, <i>T. gondii</i> is primarily acquired by ingesting undercooked meat contaminated with bradyzoites (tissue cysts), drinking water contaminated by oocysts, or via accidental ingestion of cat faeces containing oocysts. In pregnant women, infected with <i>T. gondii</i>, vertical transmission of the parasite can occur causing congenital defects, stillbirths or miscarriage. In rare cases, infection via blood transfusion and organ transplant can also occur (CDC).</p>
Form	Liquid
Applications	Highly purified and optimised for IgM detection in immunodiagnostic assays.

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Stability	Stability: 1 month at +4 centigrade Freezing: Can be frozen
Storage	Short Term Storage: +4 centigrade Long Term Storage: -80 centigrade
Concentration	0.57 mg/mL
Storage Buffer	Presented as liquid in 2% OGP in PBS pH 7.4
References	1. Centers for Disease Control and Prevention: Parasites – Toxoplasmosis (Toxoplasma infection) 2. Black MW, Boothroyd JC. 2000. Lytic cycle of Toxoplasma gondii. Microbiol Mol Biol Rev. Sep;64(3):607-23.

GENE INFORMATION

Official Symbol	IgM
Synonyms	IgM

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