

Native Toxoplasma gondii IgM antigen, RH strain

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

SPECIFICATION

Product Overview	A highly purified source of Toxoplasma gondii membrane antigens, optimised for IgM detection.
Species	T. Gondii, Strain RH
Source	Vero
Description	Toxoplasma gondii (T. gondii) 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 T.gondii. However, T.gondii 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 T. gondii occurs with the release of oocysts into the environment, in cat faeces. In humans, T. gondii 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 T. gondii, 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).
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	- Centers for Disease Control and Prevention: Parasites – Toxoplasmosis (Toxoplasma infection) - 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