

Native Toxoplasma gondii IgG antigen, RH strain

Cat. No. IgG-05T Lot. No. (See product label)

SPECIFICATION

Product Overview	A concentrated source of Toxoplasma gondii tachyzoite antigens, optimised for IgG 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
Purity	Tachyzoite cell lysate

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Applications	Optimised for IgG detection, excellent in immunodiagnostic assays
Stability	1 month at +4 centigrade
Storage	Store frozen at less than -20 centigrade, preferably -80 centigrade
Concentration	0.97 mg/mL
Storage Buffer	1% Triton x-100, 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	IgG
Synonyms	IgG

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