



# Mouse Anti-*T. gondii* Monoclonal antibody, clone Tg25.22 (CABT-CS607)

This product is for research use only and is not intended for diagnostic use.

## PRODUCT INFORMATION

<b>Specificity</b>	The specificity of the mAb was evaluated by testing our antibodies against the oocysts/cysts of closely related organisms (Eimeria, Isospora, Cryptosporidium, Giardia, and Hammondia spp.) using an immunofluorescence assay. The tested antibodies did not react with any of the other organisms.
<b>Target</b>	<i>T. gondii</i>
<b>Immunogen</b>	Recombinant <i>T. gondii</i> outer oocyst wall polypeptide
<b>Isotype</b>	IgG2b
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	<i>T. gondii</i>
<b>Clone</b>	Tg25.22
<b>Purification</b>	Protein G
<b>Conjugate</b>	unconjugated
<b>Applications</b>	ELISA, WB, IF
<b>Format</b>	Liquid
<b>Size</b>	100 µg
<b>Buffer</b>	PBS
<b>Preservative</b>	None

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<b>Storage</b>	Store at 4°C for short term. Aliquot and store at -20°C for long term. Avoid repeated freeze / thaw cycles.
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## BACKGROUND

<b>Introduction</b>	The <i>Toxoplasma gondii</i> parasite causes a disease called toxoplasmosis which can lead to birth defects and neurologic disease in humans and can cause a brain disease, resulting in mortality in southern sea otters ( <i>Enhydra lutris nereis</i> ), a federally listed threatened species. Contaminated water supplies have been implicated as the sources of infection for human toxoplasmosis outbreaks in several countries, including Panama, Brazil, India, French Guyana, and Canada. Infection by <i>T. gondii</i> can occur as a result of drinking contaminated water, eating infected and undercooked meat, or through transplacental transmission from mother to fetus. While <i>T. gondii</i> is usually associated with subclinical or mild flu-like symptoms in immunocompetent individuals, this parasite causes potentially fatal encephalitis in immunosuppressed patients, as well as abortion and congenital disease in infants born to women who are acutely infected during pregnancy.
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<b>Keywords</b>	T. gondii; <i>Toxoplasma gondii</i>
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