BACKGROUND
Toxoplasma gondii, a single-celled parasite, causes the disease toxoplasmosis. The life cycle of Toxoplasma gondii includes two phases, called the intestinal (or enteroepithelial) and extraintestinal phases. The intestinal phase produces oocysts and occurs only in wild and domesticated cats. The extra-intestinal phase occurs in all infected animals and produces tachyzoites (actively proliferating trophozoites) and, eventually, bradyzoites (slowly growing trophozoites) or zoitocysts. Toxoplasma gondii infects tissue of the gastrointestinal tract; an active infection is accompanied by fever and enlargement of the spleen. Transmission of Toxoplasma gondii from pregnant women to their fetus can result in severe consequences.

REFERENCES

SOURCE
Toxoplasma gondii (TP3) is a mouse monoclonal antibody raised against tachyzoites lysates of Toxoplasma gondii.

PRODUCT
Each vial contains 100 µg IgG₂a in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS
Toxoplasma gondii (TP3) is recommended for detection of p30 membrane protein of Toxoplasma gondii origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000) and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Molecular Weight of Toxoplasma gondii: 36 kDa.

SELECT PRODUCT CITATIONS

STORAGE
Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE
For research use only, not for use in diagnostic procedures.

PROTOCOLS
See our web site at www.scbt.com for detailed protocols and support products.