**BACKGROUND**

Toxoplasma gondii, a single-celled parasite, causes the disease toxoplasmosis. The life cycle of Toxoplasma gondii includes two phases, called the intestinal (or enterop epithelial) and extraintestinal phases. The intestinal phase produces oocysts and occurs only in wild and domesticated cats. The extraintestinal 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 (1.B.516) is a mouse monoclonal antibody raised against tachyzoites lysates of Toxoplasma gondii.

**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.

**PRODUCT**

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

**APPLICATIONS**

Toxoplasma gondii (1.B.516) is recommended for detection of p30 membrane protein of Toxoplasma gondii 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).

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgG-HRP: sc-2005 (dilution range: 1:2000-1:32,000) or Cruz Marker™ compatible goat anti-mouse IgG-HRP: sc-2031 (dilution range: 1:2000-1:5000), Cruz Marker™ Molecular Weight Standards: sc-2035, TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-mouse IgG-FITC: sc-2010 (dilution range: 1:100-1:400) or goat anti-mouse IgG-TR: sc-2781 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**PROTOCOLS**

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