

# Toxoplasma gondii (626): sc-58060

## 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 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

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## SOURCE

Toxoplasma gondii (626) is a mouse monoclonal antibody raised against whole tachyzoites from RH strain 1 of *Toxoplasma gondii*.

## PRODUCT

Each vial contains 100 µg IgG<sub>1</sub> in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

## RESEARCH USE

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

## APPLICATIONS

Toxoplasma gondii (626) is recommended for detection of two polypeptides of approximately 24 kDa and 40 kDa of *Toxoplasma gondii* origin by immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500); non cross-reactive with cyst form.

Molecular Weight of *Toxoplasma gondii*: 36 kDa.

## STORAGE

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

## PROTOCOLS

See our web site at [www.scbt.com](http://www.scbt.com) for detailed protocols and support products.