



Trichomonas vaginalis (7111): sc-58205

BACKGROUND

Trichomonas vaginalis is an anaerobic parasite causative of trichomoniasis, an infection of the genitourinary tract. The most common pathogenic protozoan infection of humans, *Trichomonas vaginalis* also retains many enzymes that catalyze reactions important to the study of protein function. Although *Trichomonas vaginalis* lacks the mitochondria and other cytochromes necessary to carry out oxidative phosphorylation, it can alternatively capture nutrients by phagocytosis. *Trichomonas vaginalis* also maintains energy requirements through glycolysis, including the conversion of pyruvate and malate to hydrogen and acetate in the hydrogenosome, a specialized organelle. *Trichomonas vaginalis* is among the most persistent protozoan trophozoites, able to survive for up to 24 hours in urine, semen or even water samples.

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RESEARCH USE

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

SOURCE

Trichomonas vaginalis (7111) is a mouse monoclonal antibody raised against *Trichomonas vaginalis*.

PRODUCT

Each vial contains 100 µg IgG₁ in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

APPLICATIONS

Trichomonas vaginalis (7111) is recommended for detection of *Trichomonas vaginalis* by 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) 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.

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 or our catalog for detailed protocols and support products.