

Rabbit Anti-Toxoplasma gondii Polyclonal Antibody

Rabbit, Polyclonal (Toxoplasma gondii)

Cat. No. DPAB0147

Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview: Rabbit Antibody to Toxoplasma gondii (trophozoites) Fluorescein conjugated

Specificity: Purified trophozoites. Crossreactivity to tachyzoites has not been tested.

Immunogen: RH strain of T. gondii, purified trophozoites

Host animal: Rabbit

Format: FITC, Liquid

Applications: Suitability for use in ELISA and direct IFA. Working dilution must be determined by the user for his or her application but a starting range of 1:10–1:50 is suggested for fluorescence microscopy. Acetone fixation of the antigen source is recommended prior to staining. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Purification: Purified IgG fraction of the antiserum covalently coupled with highly purity Isomer of fluorescein isothiocyanate. Care is taken to ensure complete removal of any free fluorescein from the final product.

REFERENCES

1. Ryan KJ, Ray CG (eds) (2004). Sherris Medical Microbiology (4th ed.). McGraw Hill. pp. 722–7.
2. Dubey JP, Webb DM, Sundar N, Velmurugan GV, Bandini LA, Kwok OC, Su C. (2007-09-30). "Endemic avian toxoplasmosis on a farm in Illinois: clinical disease, diagnosis, biologic and genetic characteristics of Toxoplasma gondii isolates from chickens (Gallus domesticus), and a goose (Anser anser)". Vet Parasitol. 148 (3-4): 207–12.

BACKGROUND

Introduction: Toxoplasma gondii is a species of parasitic protozoa in the genus Toxoplasma. The definitive host of T. gondii is the cat, but the parasite can be carried by many warm-blooded animals (birds or mammals, including humans). Toxoplasmosis, the disease of which T. gondii is the causative agent, is usually minor and self-limiting but can have serious or even fatal effects on a fetus whose mother first contracts the disease during pregnancy or on an immunocompromised human or cat.

Keywords: Toxoplasma gondii; Toxoplasma gondii antibody; Eukaryota; Chromalveolata; Alveolata; Apicomplexa; Conoidasida; Coccidiasina; Eucoccidiorida; Sarcocystidae; Toxoplasma; T. gondii; Toxoplasma gondii

PACKAGING

Concentration: 4–5 mg/ml (OD280nm, E^{0.1%} = 1.4)

Buffer: 0.01M PBS, pH 7.2 containing 10mg/ml BSA

Preservative: 0.1% Sodium azide

Storage: Short-term (up to 6 months) store at 2–8°C. Long term aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Warnings: This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.