



Entamoeba histolytica (5E264): sc-71050

BACKGROUND

Entamoeba histolytica is a eukaryotic, anaerobic, parasitic protozoan that is a member of the genus *Entamoeba*. This microbe mainly infects humans and other primates. The environmental survival form of *Entamoeba histolytica* is a cyst, a sack that encloses an organism during its dormant period, such as in water and soils and on foods, especially under moist conditions. The active form of this protozoa is called the trophozoite stage, and it exists only in the host and in fresh feces. When swallowed by humans, *Entamoeba histolytica* cause infections by excysting into their trophozoite stage inside the digestive tract and boring through the enteric walls to reach the blood stream, and eventually other organs. *Entamoeba histolytica* may lead to amebiasis or amebic dysentery, illnesses characterized by fulminating dysentery, diarrhea, weight loss, fatigue, abdominal pain and amebomas.

REFERENCES

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STORAGE

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

SOURCE

Entamoeba histolytica (5E264) is a mouse monoclonal antibody raised against *Entamoeba histolytica*.

PRODUCT

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

APPLICATIONS

Entamoeba histolytica (5E264) is recommended for detection of *Entamoeba histolytica* by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence and immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500); may cross-react with *Toxoplasma gondii*.

RECOMMENDED SECONDARY REAGENTS

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgM-HRP: sc-2064 (dilution range: 1:500-1:5,000), TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-mouse IgM-FITC: sc-2082 (dilution range: 1:100-1:400) or goat anti-mouse IgM-TR: sc-2983 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

RESEARCH USE

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

PROTOCOLS

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