Entamoeba histolytica (3555): sc-58125



The Power to Question

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 dysentary, illnesses characterized by fulminating dysentary, diarrhea, weight loss, fatigue, abdominal pain and amebomas.

REFERENCES

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SOURCE

Entamoeba histolytica (3555) is a mouse monoclonal antibody raised against *Entamoeba histolytica*.

PRODUCT

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

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 for detailed protocols and support products.

APPLICATIONS

Entamoeba histolytica (3555) is recommended for detection of *Entamoeba histolytica* by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and immunohistochemistry (including paraffin-embedded sections) (starting dilution 1:50, dilution range 1:50-1:500); may cross-react with toxoplasma gondii.

SELECT PRODUCT CITATIONS

- 1. Sheng, H., et al. 1997. Inhibition of human colon cancer cell growth by selective inhibition of cyclooxygenase-2. J. Clin. Invest. 99: 2254-2259.
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RESEARCH USE

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

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