

***Entamoeba Histolytica* Antibody**

Monoclonal Antibody

Product Information

Product No.: 15001
Clone: EH123.5
Isotype: Mouse IgG1
Storage: -20° to -70°C

Product Description

Specificity:

These antibodies recognize *Entamoeba histolytica* trophozoites and cysts.

Background:

Entamoeba histolytica is an anaerobic parasitic protozoan that predominantly infects humans and other primates causing amoebiasis. In the vast majority of cases, infection is asymptomatic and the carrier is unaware they are infected. However, in an estimated 10% of cases *E. histolytica* causes disease. Once the trophozoites are excysted they colonize the large bowel, remaining on the surface of the mucus layer and feeding on bacteria and food particles. Occasionally, and in response to unknown stimuli, trophozoites move through the mucus layer where they come in contact with the epithelial cell layer and start the pathological process.

Known Reactivity Species:

E. histolytica

Format:

Purified

Immunogen:

Entamoeba histolytica HK-9

Formulation

This monoclonal antibody is formulated in phosphate buffered saline (PBS) pH 7.2 - 7.4 with no carrier protein or preservatives added.

Storage and Stability

These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to **avoid multiple freeze-thaw cycles**.

Product Preparation

Antibodies are purified by a multi-step process including the use of protein A or G to assure extremely low levels of endotoxins, leachable protein A or aggregates.

Applications

Applications and Recommended Usage (Quality Tested By Leinco):

These antibodies have been qualified for use in ELISA to detect *E. histolytica* trophozoites and cysts.

End users should determine optimal concentrations for their applications.

Country of Origin

USA