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T.gondii p24

Description: The E.Coli derived recombinant protein contains the p24 (GRA1) immunodominant regions, amino acids 57-149.

Catalog #:TOPS-269

Purity: Toxoplasma protein is >95% pure as determined by 10% PAGE (coomassie staining).

For research use only.

Purification Method:

Purified by proprietary chromatographic technique.

Specificty:

Immunoreactive with sera of Toxoplasma gondii-infected individuals.

Formulation:

(1mg/ml) 50mM Tris-HCl pH 8, 1.5M urea and 50% glycerol.

Usage:

NeoBiolab's products are furnished for LABORATORY RESEARCH USE ONLY. The product may not be used as drµgs, agricultural or pesticidal products, food additives or household chemicals.

Applications:

Toxoplasma antigen is suitable for ELISA and Western blots, excellent antigen for detection of Toxoplasma gondii- with minimal specificity problems.

Introduction:

The life cycle of Toxoplasma gondii has two phases. The coccidia like takes place only in members of the Felidae family which makes these animals the parasite's primary host. The asexual part of the life cycle can take place in any warm-blooded animal, like other mammals(including felines) and birds. T. gondii constructing daµghter scaffolds within the mother cell. In the intermediate hosts (including felines), the parasite invades cells, forming intracellular so-called parasitophorous vacuoles containing bradyzoites, the slowly replicating form of the parasit. Vacuoles form tissue cysts mainly within the muscles and brain. Since they are within cells, the host's immune system does not detect these cysts. Resistance to antibiotics varies, but the cysts are very difficult to eradicate entirely. Within these vacuoles T. gondii propagates by a series of binary fissions until the infected cell eventually bursts and tachyzoites are released. Tachyzoites are the motile, asexually reproducing form of the parasite. Unlike the bradyzoites, the free tachyzoites are usually efficiently cleared by the host's immune response, althoµgh some manage to infect cells and form bradyzoites, thus maintaining the infection.

Storage:

Toxoplasma Protein althoµgh stable at 4°C for 1 week, should be stored below -18°C. Please prevent freeze thaw cycles.

To place an order, please Click HERE.

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