



Monoclonal Antibody to **Toxoplasma gondii**

Technical Data Sheet

Reagent Category

Monoclonal primary antibody to *Toxoplasma gondii*

PRODUCT# IMI30761E (Ready-To-Use)

PRODUCT# IMI30752E (Concentrate)

Antibody Formats Supplied

7 ml of anti *Toxoplasma gondii*, Ready-To-Use

0.2 ml of anti *Toxoplasma gondii*, Concentrate

SOURCE: Mouse ascites fluid

IMMUNOGLOBULIN ISOTYPE: IgG2a

IMMUNOGEN: Tachyzoites lysate

CLONE: TP3

REACTIVITY

This monoclonal *Toxoplasma gondii* antibody recognizes and reacts with P30 membrane protein present on *Toxoplasma gondii*. This antibody is suitable for use on routinely fixed paraffin embedded and frozen sections. It is compatible with formalin fixed tissues and with other commonly used histological fixatives.

STAINING PATTERN: Cytoplasmic staining of infected cells

Antibody FORMATS, DILUTIONS and INCUBATIONS

This affinity purified monoclonal *Toxoplasma gondii* antibody is provided in phosphate buffered saline pH 7.4 containing bovine serum albumin (BSA) and 0.05% sodium azide.

7 ml of Ready-to-Use; Do not dilute. Incubate for 1 hour. This antibody requires retrieval when staining paraffin sections. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

0.2 ml of concentrate: For 1 hour incubation, dilute 1:20, for longer incubation time the working titer must be determined by the end user. This antibody requires retrieval when staining paraffin sections. This antibody best stains when formalin fixed paraffin embedded sections are retrieved.

For Background-Free, gentle retrieval, Innovex Uni-Trieve (60°-70°C) universal retrieval solution is highly recommended. To retrieve with Uni-Trieve: Warm up water bath to 60°-70°C and fill a slide holding container with Uni-Trieve solution. Place slides in a slide rack and immerse slides in a vessel or a coplin jar containing Uni-Trieve solution, bring the solution and slides to 60°-70°C and let slides incubate at 60°-70°C for 30 minutes. Rinse slides with 2 quick changes of water; No cooling period is required. Proceed with immunostaining.

The above dilutions and incubation times were derived by the use of Innovex STAT-Q & HISTO-STAT detection systems. For less sensitive detection systems these dilution factors may vary and they should be determined by the end user for specific detection system employed.

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APPLICATIONS

This antibody is intended for use in immunolocalization of *Toxoplasma gondii* antigens in human or animal tissues by a variety of immunoassays such as Immunochemistry, fluorescent labeling, ELISA, Immunoblotting and dot blotting. In immunochemistry, this antibody can be used in staining routinely fixed paraffin embedded or frozen histological sections for the purpose of qualitative localization of *Toxoplasma gondii*.

POSITIVE CONTROL TISSUE: *Toxoplasma gondii* Infected tissue

SPECIES REACTIVITY

This antibody reactivity with human, cats, mouse, rat, and rabbit has been substantiated, other species reactivity may be characterized by the end user.

STORAGE CONDITIONS

Store in refrigerator at 2-8°C through expiration date noted on the vial.

IMPORTANT NOTE:

The interpretation of test results is the sole responsibility of the end user.

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