Toxoplasma gondii P30 Antigen  
Clone TP3  
Cat. no. MONX10991

**Specificity**
Toxoplasma gondii is a ubiquitous protozoan parasite which can infect healthy humans, often asymptptomatically, but may also cause severe congenital defects in the foetus and life-threatening infection in immunocompromised hosts. It has been shown that P30, also referred to as SAG-1, the major surface antigen of Toxoplasma gondii tachyzoites is involved in the first steps of invasion. This antigen has generated a great deal of interest as a diagnostic reagent and as a potential subunit for vaccine production. P30 is a highly conserved antigen between most strains of Toxoplasma gondii. TP3 will therefore, be of use in the detection of Toxoplasma.

**Immunoglobulin type**
Murine IgG2a

**Use**
The antibody can be used for immunohistochemistry on paraffin sections.

**Instructions for use**
Typical working dilution 1:10 - 1:20.  
High temperature antigen unmasking technique.  
60 minutes primary antibody incubation at 25°C.  
Standard ABC technique.

**Positive control**
Toxoplasma gondii-infected cerebellum.

**Presentation**
Lyophilised mouse ascites purified by protein A affinity chromatography, diluted in PBS with 1% BSA indicated containing 15mM sodium azide. Reconstitute with 1ml or 0.1ml of sterile distilled water as indicated on vial.

**Literature**
- Kim K, B,low R, Kampmeier J et al.. Conformationally appropriate expression of the Toxoplasma antigen SAG1 (p30) in CHO cells.  
- Mineo J R, McLeod R, Mack D et al.. Antibodies to Toxoplasma gondii major surface protein (SAG-1, P30) inhibit infection of host cells and are produced in murine intestine after peroral infection. The Journal of Immunology. 150(9): 3951-3964 (1993).
Storage and Handling
Store unopened lyophilized antibody at 4°C. The reconstituted antibody is stable for at least two months when stored at 4°C. For long term storage, it is recommended that aliquots of the antibody are frozen at −20°C (frost-free freezers are not recommended). Repeated freezing and thawing must be avoided. Prepare working dilutions on the day of use.

FOR RESEARCH USE ONLY, NOT FOR DRUG, DIAGNOSTIC OR OTHER USE.