

AR05166PU-S**Protozoan *Toxoplasma gondii* p30 (45-198)****Alternate names:**

Major surface antigen p30

Quantity:

0.1 mg

Concentration:

1.0 mg/ml

Background:

Toxoplasma gondii p30 is the immunodominant surface antigen of *Toxoplasma gondii*.

Toxoplasma gondii is an obligate intracellular protozoan that belongs to the class Sporozoa, and the order Eucoccidia. The parasite has an extremely wide host range and is also nonspecific with respect to the kind of cell type it can enter, making it an interesting model to study invasion. Although toxoplasmosis in healthy adults is generally asymptomatic, it produces severe disease in neonates and immunocompromised people, being the cause of death in many AIDS patients. P30 is the major surface antigen of *T. gondii*. It is a very abundant protein, conserved in most strains, and present both in the vesicular network of the parasitophorous vacuole and on the surface of the parasite. It is very immunogenic, eliciting high titers of antibodies in infected individuals. The gene coding for P30 has been cloned and completely sequenced: the deduced amino acid sequence shows a putative signal sequence at the N terminus, consistent with localization of P30 on the parasite's surface, as well as a short hydrophobic stretch at the C terminus.

Uniprot ID:[Q27298](#)**NCBI:**[5811](#)**Species:**

Protozoan

Source:

Protozoan

Format:**State:** Liquid purified protein**Purity:** >95% as determined by 10% PAGE (coomassie staining)**Buffer System:** 50 mM TRIS-HCl containing 1.5 M Urea and 50% glycerol**Applications:**

ELISA.

Western Blot.

Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.

Description:This protein is *E. coli* derived, recombinant *Toxoplasma gondii* P30 (sag1) immunodominant region supplied as liquid.**Storage:**

Store the protein at -20°C.

Avoid repeated freezing and thawing.

Shelf life: one year from despatch.