

## Recombinant Toxoplasma gondii p30 (SAG1) antigen, Tag Free

Cat. No. SAG1-890T    Lot. No. (See product label)

### SPECIFICATION

|                         |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
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| <b>Product Overview</b> | Recombinant Toxoplasma gondii p30 (SAG1) antigen without tag was expressed in E. coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Species</b>          | Toxoplasma gondii                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Source</b>           | E.coli                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>ProteinLength</b>    | 45-198 aa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Description</b>      | <p>Toxoplasma gondii is an intracellular protozoan parasite of global importance that can remarkably infect, survive, and replicate in nearly all mammalian cells. Although most human infections with T. gondii are mild or asymptomatic, T. gondii infection can result in life-threatening disease in immunocompromised individuals and in the developing fetus due to congenital infection, underscoring the role of the host immune system in controlling the parasite. T. gondii manipulates host immunity through the control of host gene transcription and dysregulation of signaling pathways that result in modulation of cell adhesion and migration, secretion of immunoregulatory cytokines, production of microbicidal molecules, and apoptosis.</p> |
| <b>Purity</b>           | > 95% pure; Purity: of proteins is evaluated by SDS-PAGE                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Applications</b>     | ELISA, WB                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Comments</b>         | Immunoreactive with sera from Toxoplasma gondii infected individuals in ELISA and Western blot formats.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |

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|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Notes</b>            | The products are for laboratory research use or further manufacturing only and should not be used for human therapeutic or diagnostic applications. |
| <b>Storage</b>          | Long Term: -80 centigrade Short Term: 4 centigrade (Three month or less)                                                                            |
| <b>Storage Buffer</b>   | 1XPBS                                                                                                                                               |
| <b>Concentration</b>    | 1 mg/mL; bulk amount available upon request                                                                                                         |
| <b>Shipping</b>         | Cold pack                                                                                                                                           |
| <b>GENE INFORMATION</b> |                                                                                                                                                     |
| <b>Synonyms</b>         | SAG1; p30; surface antigen 1                                                                                                                        |

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