

SAG1 recombinant protein

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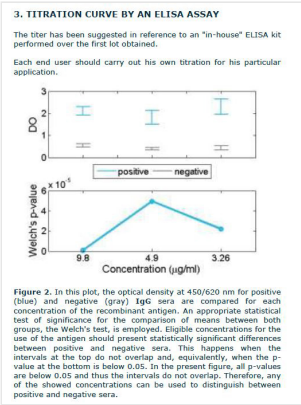
CATALOG # AAA72851	HOST E Coli	APPLICATIONS Western Blot, ELISA
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PRODUCT SYNONYMS

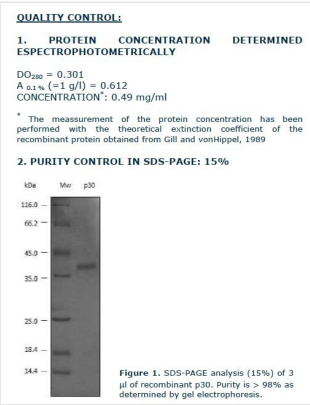
SAG1; SAG1 recombinant; RECOMBINANT ANTIGEN p30 (SAG1) from Toxoplasma gondii; major surface antigen p30; SAG1 recombinant protein

PRODUCT SPECIFICATIONS

Host	E Coli
Purity/Purification	0.98
Form/Format	Dry powder (lyophilized)
Concentration	0.49 mg/ml (varies by lot)
Sequence Length	336
Applicable Applications for SAG1 recombinant protein	WB (Western Blot), ELISA
Recombinant Antigen	T. gondii antigen p30 (Santoro et al., 1986).
Organism	Toxoplasma gondii
Tag	HIS
Molecular Weight Information	Determined by SDS-PAGE, the protein band is between molecular markers of 45,000-35,000 Da, while relative molecular mass calculated from amino acid sequence is 36,686.1 Da.
Observation Notes	Proteins should be maintained frozen at high concentrations. The dilution to be performed for ELISA assays should be made with a small quantity of protein, the same day of the experiment. In order to defrost the protein, maintain the aliquot at 25 degree C without shaking to avoid aggregation. Prior making test dilutions and after defrost the protein, is recommended to remove possible protein aggregates by centrifuging the stock solution, avoiding alterations in the immobilization of the biomolecule to the solid surface.
Buffer	20 mM phosphate buffer pH 8, 10 mM NaCl, 0.1% polyoxyethylene (10) tridecyl ether, 250 mM Imidazol and 6 M urea
Batch Composition	Recombinant antigen with a his-tag in its N-terminus
Storage Buffer	20 mM phosphate buffer pH 8, 10 mM NaCl, 0.1% polyoxyethylene (10) tridecyl ether, 250 mM imidazol and 6 M urea
Reconstitution	For lyophilized proteins: with 0.04 ml of sterile double-distilled water (lot specific) for a final concentration of 1.59 mg/ml (lot specific). The protein will be at pH 8.
Preparation and Storage	Lyophilized protein is shipped with on ice packs. Upon arrival, it should be stored at 20 degree C to -80 degree C. Aliquot after reconstitution in order to avoid repeated freezing and thawing cycles and store at 20 degree C to -80 degree C.



Application Data



Application Data

ADDITIONAL INFORMATION

Related Product Information for SAG1 recombinant protein	the T. gondii antigen p30 has been prepared as a recombinant antigen fused to a his-tag in itsN-terminal. It corresponds to the aa 49-323 of the T. gondiimajor surface antigen (SAG1).
Product Categories/Family for SAG1 recombinant protein	PARASITES
References	Santoro, F., Charif, H. and Capron, A. Theimmunodominant epitope of the major membranetechyzoite protein (p30) of Toxoplasma gondii. 1986,Parasite Immunol. 8:631-9. Gill SC, von Hippel PH. Calculation of protein extinctioncoefficients from amino acid sequence data. AnalBiochem. 1989 Nov 1;182(2):319-26.

NCBI AND UNIPROT INFORMATION

NCBI GI #	254071800
NCBI Official Full Name	major surface antigen

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.