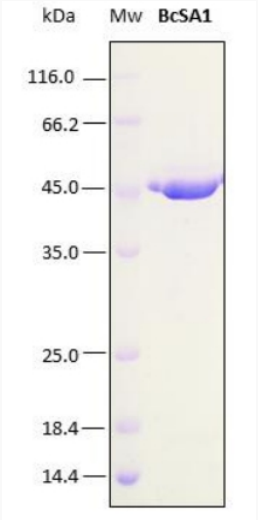
Recombinant B. canis secreted antigen 1, His tagged

Cat. No. SA1-080B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant antigen formed by the mature protein BcSA1 for B. canis and fused to a His-tag in its N-terminus.
Species	B. canis
Source	E.coli
Description	Recombinant secreted antigen 1 (BcSA1) was described as a potential candidate for babesiosis serodiagnosis, evaluated by ELISA.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 45-66.2 kDa, while relative molecular mass calculated from amino acid sequence is 47,711.61.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF
Storage	Upon arrival, it should be aliquoted to avoid repeated freezing and thawing cycles and stored at -20 to -80 centigrade. In order to defrost the protein, maintain the aliquot at 25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM MOMPS pH 7, 0.15 M NaCl and 0.1% polyoxyethylene (10) tridecyl ether

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Concentration	1.57 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. Zhou1, M., Cao, S., Luo, Y., Liu, M., Wang, G., Moumouni, P.F.A., Jirapattharasate, C., Iguchi, A., Vudriko, P., Terkawi, M. A., Löwenstein, M., Kern, A., Nishikawa, Y., Suzuki, H., Igarashi, I. and X. Xuan. Molecular identification and antigenic characterization of a merozoite surface antigen and a secreted antigen of Babesia canis (BcMSA1 and BcSA1). Parasites & Vectors (2016) 9:257. 2. Gill SC, von Hippel PH. Calculation of protein extinction coefficients from amino acid sequence data. Anal Biochem. 1989 Nov 1;182(2):319-26.
Purity	 SDS-PAGE analysis (15%) of 1 µL of recombinant BcSA1. Purity is > 95% as determined by gel electrophoresis.

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