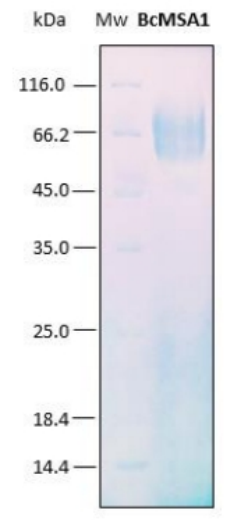
Recombinant B. canis Merozoite Surface Antigen, His tagged

Cat. No. MSA1-082B **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Recombinant antigen formed by the fragment containing a 1 to 303 of BcMSA1 for B. canis and fused to a His-tag in its C-terminus.
Species	B. canis
Source	P.pastoris
ProteinLength	1-303aa
Description	Merozoite surface antigen (BcMSA1) was described as a potential candidate for babesiosis serodiagnosis, evaluated by ELISA.
Tag	C-His
Molecular Mass	SDS-PAGE analysis determines that the protein band is between the molecular markers of 116 kDa and 66.2 kDa due to the glycosylation pattern, while relative molecular mass, calculated from amino acid sequence and without glycosylation, is 33,474.57 Da.
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

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	25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 8 and 0.15 M NaCl
Concentration	1.95 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	1. 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 10 µL of recombinant BcMSA1. Purity is > 95% as determined by gel electrophoresis.

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