

Recombinant B. canis Bc28.1 Antigen, His tagged

Cat. No. Bc28.1-005B **Lot. No.** (See product label)

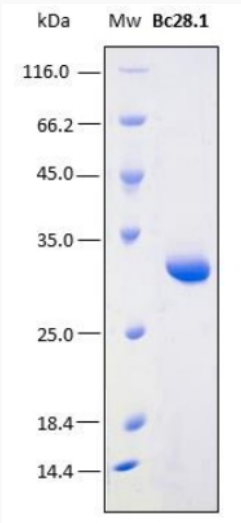
SPECIFICATION

Product Overview	Recombinant antigen formed by the major member of the Bc28 multigenic family, Bc28.1. The erythrocyte binding protein contains the mature protein without the trans-membrane region and it is fused to a His tag in its N-terminus.
Species	B. canis
Source	E.coli
Description	Bc28.1, a major member of the Bc28 multigenic family, is expressed at high levels at the surface of the merozoite. This protein is also found in the parasite in vitro culture supernatants, which are the basis of effective vaccines against canine babesiosis.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 25-35 kDa, while relative molecular mass calculated from amino acid sequence is 27,373.90 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 25 centigrade without shaking to avoid aggregation.

 Tel: 1-631-559-9269 1-516-512-3133

 Email: info@creative-biomart.com  Fax: 1-631-938-8127

 45-1 Ramsey Road, Shirley, NY 11967, USA

Storage Buffer	20 mM phosphate buffer pH 8, 0,15 M NaCl and 0.1% polyoxyethylene (10) tridecyl ether
Concentration	1.17 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. 2. Yang, Y. S., Murciano, B., Moubri, K., Cibrelus, P., Schetters, T., Gorenflot, A., Delbecq, S., and C. Roumestand. Structural and Functional Characterization of Bc28.1, Major Erythrocyte-binding Protein from Babesia canis Merozoite Surface. J. Biol. Chem. 2012; 287: 9495-9508.
Purity	 SDS-PAGE analysis of 3 µL of recombinant Bc28.1. Purity is > 95% as determined by gel electrophoresis.