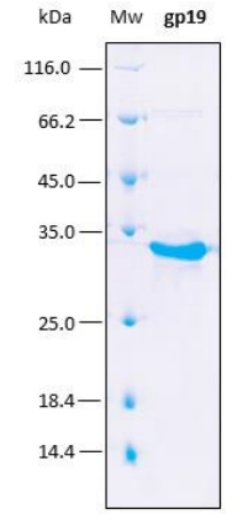
Recombinant Ehrlichia canis gp19 Antigen, His tagged

Cat. No. gp19-025E **Lot. No.** (See product label)

SPECIFICATION

Product Overview	The gp19 of E. canis has been prepared as a recombinant truncated antigen containing specific antigenic determinants described in the bibliography and fused to a his-tag in its N-terminal.
Species	Ehrlichia canis
Source	E.coli
Description	gp19 is a major epitope of the bacteria Ehrlichia canis, which can be used for the detection of early acute-phase antibodies and reacts strongly with antibodies in late-acute-phase sera from experimental dogs. gp19 is encoded by a highly conserved single gene that minimizes or eliminates the potential for serologic variability.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 35-25 kDa, while relative molecular mass calculated from amino acid sequence is 21.386,62 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

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

	25 centigrade without shaking to avoid aggregation.
Storage Buffer	20 mM phosphate buffer pH 7, 0.15 M NaCl, 0.13 M trehalose and 0.1% polyoxyethylene (10) tridecyl ether
Concentration	1.26 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. McBride, J.W., Doyle, C.K., Zhang, X., Cardenas, A.M., Popov, V.L., Nethery, K.A. and M. E. Woods. Identification of a Glycosylated Ehrlichia canis 19-Kilodalton Major Immunoreactive Protein with a Species-Specific Serine-Rich Glycopeptide Epitope. 2007. Infection and Immunity, 1 (75): 74-82.
Purity	 SDS-PAGE analysis (15%) of 4 µL of recombinant gp19. Purity is > 95% as

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

	determined by gel electrophoresis

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