

Recombinant *Leishmania infantum* KMP11 Antigen, His tagged

Cat. No. KMP11-030L Lot. No. (See product label)

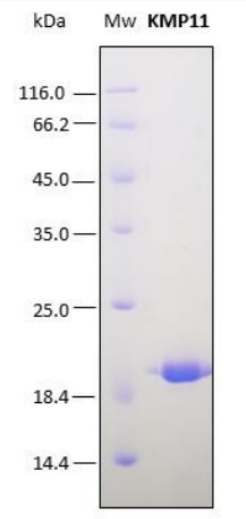
SPECIFICATION

Product Overview	The recombinant antigen KMP11 for <i>Leishmania infantum</i> has been prepared as a recombinant antigen fused to a his-tag. It is produced from the complete ORF of the KMP11 gene which codifies the kinetoplast membrane protein 11.
Species	<i>Leishmania infantum</i>
Source	E.coli
Description	The protein KMP11 is a kinetoplastid membrane protein of 11 kDa. It has been described that the majority of individuals with <i>Leishmania</i> infection without disease did not have antibodies to KMP11. Therefore serological tests with this recombinant antigen may be helpful as tools to determine therapeutic responses for VL, being the detection of antibodies to KMP11 helpful to differentiate subclinical <i>Leishmania</i> infection from active VL.
Tag	N-His
Molecular Mass	Determined by SDS-PAGE, the protein band is between molecular markers of 25 and 18.4 kDa, while relative molecular mass calculated from amino acid sequence is 19,460.0 Da.
Purity	> 95% by observation on SDS-PAGE electrophoresis
Applications	WB, DB, IE, DE, CLIA, LF

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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 phosphate buffer pH 8, 10 mM NaCl, 0.1% polyoxyethylene (10) tridecyl ether and 250 mM imidazole
Concentration	1.25 mg/mL
Shipping	Protein is shipped with dry ice.
Reference	<ol style="list-style-type: none"> 1. Passos, S., L. P. Carvalho, G. Orge, S. M. Jeronimo, G. Bezerra, M. Soto, C. Alonso, and E. M. Carvalho. Recombinant Leishmania antigens for serodiagnosis of visceral leishmaniasis. 2005, Clinical and Diagnostic Lab. Immunology, 12:1164-1167. 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	

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SDS-PAGE analysis (17%) of 3.5 μ L of recombinant KMP11. Purity is > 98% as determined by gel electrophoresis.

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