

## Bioassayplus Inc.

4510 Rhodes Drive., Windsor, Canada N8W 5K5

### Certificate of Analysis

<b>Important Note:</b>	Centrifuge before opening to ensure complete recovery of vial contents.
<b>Catalog #:</b>	Leish-k39
<b>Description:</b>	<p>Canine infections with <i>Leishmania infantum</i> are important cause of serious dog disease and as a reservoir for human visceral leishmaniasis (VL). Accurate diagnosis of canine infections is essential to the veterinary community and for VL surveillance programs.</p> <p>Recombinant antigen (rK39) can be used as a serological marker to detect the antibody from the canine infected by <i>Leishmania infantum</i>. Antibodies reacting with rK39 were more common in asymptomatic canine infections than reported for subclinical human VL. The rK39 ELISA is a relatively simple and rapid assay for assessing the infection status of dogs, especially when screening large numbers of samples.</p> <p>Recombinant <i>Leishmania r39</i> contains 182 amino acids, which is expressed from <i>E. coli</i> with a 6 x his tag at its N-terminal about 22kDa migrated on 10% SDS-PAGE. This protein can also form dimer with the size at 44kDa to mimic in vivo conformational state.</p>
<b>Source:</b>	<i>E. coli</i>
<b>Format:</b>	Purified, Liquid
<b>Purification:</b>	>95% pure (10% SDS-PAGE , Coomassie blue stain). Proprietary chromatographic technique
<b>Concentration:</b>	1.1 mg/ml (lot: 062024)
<b>Buffer:</b>	PBS/25mM K <sub>2</sub> CO <sub>3</sub>
<b>Applications:</b>	Immunoassay
<b>Storage:</b>	Upon receipt, store at -20°C. Avoid multiple freeze/thaw cycles

