

**AM01175SU-N****Monoclonal Antibody to Leishmania (LPG) - Ascites**

<b>Quantity:</b>	0.5 ml
<b>Background:</b>	<p>Leishmania is a genus of trypanosome protozoa, and is the parasite responsible for the disease leishmaniasis. It is spread through sandflies of the genus <i>Phlebotomus</i> in the Old World, and of the genus <i>Lutzomyia</i> in the New World. Their primary hosts are vertebrates; <i>Leishmania</i> commonly infects hyraxes, canids, rodents, and humans. <i>Leishmania</i> currently affects 12 million people in 88 countries.</p> <p>An important determinant of <i>Leishmania</i> infectivity and survival in the mammalian host is the surface macromolecule - lipophosphoglycan or LPG. This is the major macromolecule on the surface of <i>Leishmania</i>. LPG consists of a polymer of phosphorylated disaccharide repeat units attached by a polysaccharide core to a novel lipid anchor.</p>
<b>Host / Isotype:</b>	Mouse / IgM
<b>Clone:</b>	CA7AE
<b>Immunogen:</b>	<p>Heat killed <i>Leishmania donovani</i> promastigotes.</p> <p><b>Remarks:</b> Spleen cells from immunised BALB/c mice were fused with cells of the murine SP2/0 myeloma cell line.</p>
<b>Format:</b>	<p><b>State:</b> Lyophilized Ascites</p> <p><b>Preservatives:</b> None</p> <p><b>Stabilizers:</b> None</p> <p><b>Reconstitution:</b> Restore with 0.5 ml distilled sterile water.</p> <p>Care should be taken during reconstitution as the protein may appear as a film at the bottom of the vial. We recommend that the vial is gently mixed after reconstitution. For long term storage the addition of 0.09% sodium azide is recommended.</p>
<b>Applications:</b>	<p><b>ELISA:</b> 1/1000.</p> <p><b>Immunoblotting.</b></p> <p><b>Immunofluorescence:</b> 1/500-1/1000.</p> <p>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.</p>
<b>Specificity:</b>	<p>AM01175SU-N is specific for Lipophosphoglycan (LPG) the major cell surface glycoconjugate of <i>Leishmania</i> parasites.</p> <p>AM01175SU-N recognizes the repeat carbohydrate epitope of most species of <i>Leishmania</i> LPG. The epitope is also found on the excreted acid phosphatase of <i>Leishmania</i>.</p>
<b>Storage:</b>	<p>Prior to reconstitution store at 2-8°C.</p> <p>Following reconstitution store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.</p> <p>Avoid repeated freezing and thawing.</p> <p>Shelf life: one year from despatch.</p>