

Leishmania A2 monoclonal antibody, clone C9

Catalog # MAB5675 Size 100 ug

Specification

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| Product Description | Mouse monoclonal antibody raised against <i>Leishmania</i> A2. |
| Immunogen | This antibody recognizes only the amastigote form of the A2 protein. This antibody recognizes the sequence QSVGPLSVGP from the parasite, <i>Leishmania donovani</i> . |
| Host | Mouse |
| Reactivity | Protozoa |
| Specificity | A sensitive antibody to Leishmania amastigote-specific A2 protein. This sequence can also be used as tag if cloned with the protein of interest. This sequence is particular to the parasite and therefore the antibody has no cross-reactivity with mammalian proteins. REACTIVITY: <i>Leishmania donovani</i> and <i>Leishmania infantum</i> , There is no cross-reactivity with other Leishmania species. |
| Form | Lyophilized |
| Purification | Protein G purification |
| Isotype | IgG1 |
| Recommend Usage | Western Blot (1:100) (If reconstituted with deionized water in 100 uL) The optimal working dilution should be determined by the end user. |
| Storage Buffer | Lyophilized from PBS, pH 7.4. |
| Storage Instruction | Store at 4°C for up to 3 months. For long-term storage, store at -20°C on dry atmosphere. After reconstitution with deionized water, store at -20°C or -80°C. Aliquot to avoid repeated freezing and thawing. |

Applications

- Western Blot
- Immunofluorescence

- Immunoprecipitation

Publication Reference

- [Identification and characterization of a protein-tyrosine phosphatase in Leishmania: Involvement in virulence.](#)

Nascimento M, Zhang WW, Ghosh A, Houston DR, Berghuis AM, Olivier M, Matlashewski G.

The Journal of Biological Chemistry 2006 Nov; 281(47):36257.

Application: WB-Tr, Monkey, COS-7 cells

- [Comparison of the A2 gene locus in Leishmania donovani and Leishmania major and its control over cutaneous infection.](#)

Zhang WW, Mendez S, Ghosh A, Myler P, Ivens A, Clos J, Sacks DL, Matlashewski G.

The Journal of Biological Chemistry 2003 Sep; 278(37):35508.

Application: WB-Tr, Parasite, L. major cells

- [Loss of virulence in Leishmania donovani deficient in an amastigote-specific protein, A2.](#)

Zhang WW, Matlashewski G.

Proceedings of the National Academy of Sciences of the United States of America 1997 Aug; 94(16):8807.

Application: WB, L. donovani, L. donovani cells