

## Monoclonal Antibody to Parvovirus B19 - Purified

|                         |   |
|-------------------------|---|
| <b>Alternate names:</b> | Erythrovirus B19  |
| <b>Catalog No.:</b>     | AM01197PU-N   |
| <b>Quantity:</b>        | 0.1 mg  |
| <b>Concentration:</b>   | 0.1 mg/ml   |
| <b>Background:</b>      | <p>Discovered serendipitously in 1974 during routine Hepatitis B screening at the central public health laboratory in London, it is a single stranded DNA virus belonging to the family Parvoviridae and until the discovery of Human Bocavirus and PARV4 was the only parvovirus recognised to be pathogenic in humans.</p> <p>Parvoviruses cause infections in a wide variety of birds and mammals. Parvovirus, commonly called parvo, is a genus of the Parvoviridae family linear, non-segmented single stranded DNA viruses with an average genome size of 5 kbp. Parvoviruses are some of the smallest viruses found in nature.</p> <p>Parvovirus B19 infection is common among children and adults and is often asymptomatic. Parvovirus B19 infection can result in serious and occasionally fatal hematologic diseases in susceptible patients, and is the cause of "fifth disease", a highly contagious infection of childhood. Parvovirus B19 can also infect the fetus causing severe anemia, congestive heart failure, and heath in utero or at birth.</p> |
| <b>Host / Isotype:</b>  | Mouse / IgG   |
| <b>Clone:</b>           | 5181  |
| <b>Immunogen:</b>       | Semi-purified native Parvovirus B19.  |
| <b>Format:</b>          | <b>State:</b> Liquid purified Ig fraction<br><b>Buffer System:</b> PBS containing 0.09% Sodium Azide as preservative  |
| <b>Applications:</b>    | <b>ELISA:</b> 1/20-1/200<br><b>Western Blot:</b> 1/10-1/50.<br><b>Immunofluorescence:</b> 1/10-1/50.<br>Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.  |
| <b>Specificity:</b>     | <p>This antibody recognises Parvovirus B19, the causitive agent of fifth disease also known as Erythema Infectiosum or slapped cheek syndrome in Humans.</p> <p>No epitope mapping has been carried out but this antibody is reactive with the VP2 capsid protein of Parvovirus B19.</p> <b>Species:</b> Viral.<br>Other species not tested.  |
| <b>Storage:</b>         | Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer.<br>Avoid repeated freezing and thawing.<br>Shelf life: one year from despatch.   |

- General Readings:**
1. Heegaard ED, Brown KE. Human parvovirus B19. Clin Microbiol Rev. 2002 Jul;15(3):485-505. PubMed PMID: 12097253.
  2. Manning A, Russell V, Eastick K, Leadbetter GH, Hallam N, Templeton K, et al. Epidemiological profile and clinical associations of human bocavirus and other human parvoviruses. J Infect Dis. 2006 Nov 1;194(9):1283-90. Epub 2006 Sep 26. PubMed PMID: 17041855.