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Diagnostik & molekulare Diagnostik



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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-GP25-200 [4H9] Ab03422-21.0-BT

This antibody does not have a J-chain and therefore presents as a hexamer, rather than a pentamer.

This reformatted mouse antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

Isotype and Format: Mouse IgM, Kappa

Clone Number: 4H9

Alternative Name(s) of Target: GP25-200 antigen

UniProt Accession Number of Target Protein:

Published Application(s): therapeutic, WB, ELISA

Published Species Reactivity: Cryptosporidium parvum

Immunogen: The original antibody was generated by immunizing female BALB/c mice intraperitoneally and subcutaneously with purified P23 emulsified in monophosphoryl A-trehalose dimycolate adjuvant.

Specificity: This antibody binds the GP25-200 antigen of Cryptosporidium parvum. Cryptosporidium parvum is a coccidian parasite that infects intestinal epithelium and causes diarrheal disease in humans and other agriculturally important food animals for which specific therapy and immunoprophylaxis are unavailable. Cryptosporidiosis is self-limiting in hosts with normal immune systems; however, in neonates, the elderly, and hosts having congenital or acquired immunodeficiency diseases or chemotherapy-induced immunosuppression, cryptosporidial enterocolitis may become chronic and have severe consequences.

Application Notes: This antibody can be used for the identification of sporozoites and GP25-200 antigen of C. parvum using western blot. The identification of sporozoite-neutralizing antibody was done using ELISA (PMID: 10768951). This antibody in combination with PLA2 or LL37 was also used in the generation of a biocide fusion proteins to kill C. parvum sporozoites in vitro and in vivo (PMID: 20086143).

Antibody First Published in: Schaefer et al. Characterization and formulation of multiple epitope-specific neutralizing monoclonal antibodies for passive immunization against cryptosporidiosis. Infect Immun. 2000 May;68(5):2608-16. [PMID:10768951](#)

Note on publication: Describes the generation and characterization of antibodies against multiple epitope of C. parvum to provide passive immunization against Cryptosporidiosis.

Product Form

Size:

500 µg Purified antibody in bulk size.

Purification: Affinity Purified using a recombinant lectin column

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. For longer storage, aliquot and store at -20°C.

Concentration: 1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.