Monoclonal Anti-Cryptosporidium parvum Oocyst Wall, Clone 4D1 (produced in vitro)

Catalog No. NR-14799
This reagent is the tangible property of the U.S. Government.

Product Description: Mouse monoclonal antibody against purified protein from Cryptosporidium parvum (C. parvum) oocyst wall was produced in vitro from hybridoma clone 4D1.

Lot: 59508151
Manufacturing Date: 19OCT2010

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<td>Antibody Isotype Determination</td>
<td>Report results</td>
<td>IgMκ</td>
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<td>Functional Activity by Indirect Immunofluorescence Assay (IFA)¹</td>
<td>Report results</td>
<td>Prominent fluorescence observed (Figure 1A)</td>
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<td>NR-14799 Secondary antibody alone</td>
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<tr>
<td>Sterility</td>
<td>0.22 µm filter-sterilized</td>
<td>0.22 µm filter-sterilized</td>
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¹Unfixed oocysts of C. parvum, strain IOWA were stained with a 1:300 dilution of NR-14799 followed by Alexa Fluor® 488 goat anti-mouse IgM (Invitrogen™ A-21042), resulting in green fluorescence localized to the oocyst wall. Sporozoite nuclei were stained (blue) with 4',6-diamidino-2-phenylindole (DAPI).

Figure 1
Indirect Immunofluorescence Analysis of C. parvum, Strain IOWA Oocysts

A: NR-14799
B: Secondary antibody only

Bar = 5 µm

Date: 07 FEB 2011
Signature: [Signature]
Title: Technical Manager, BEI Authentication or designee

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