

Anti-Yersinia ruckeri. IgG fraction monoclonal antibody (clone 4D4/H1)

Catalog Number	FM-050BZ-5
Product Name	Anti-Yersinia ruckeri. IgG fraction monoclonal antibody (clone 4D4/H1)
Unit	100µg
Availability	Available
Category	Infectious Agents
Subcategory	Fish Pathogens (Aquaculture)
Description	Mouse monoclonal antibody IgG fraction (clone 4D4/H1) obtained by immunizing mice with five Chilean isolates of Yersinia ruckeri (whole bacterial cells). The IgG fraction was purified using Protein G-Sepharose.
Isotype	IgG1
Storage	Store at -20°C.
Stability	Stable at least one year at -20°C. Avoid repeated freezing and thawing.
Biological Activity	This antibody can be used in ELISA (1: 8,000 dilution), Western blot (1: 2,000 dilution), and indirect immunofluorescence (1: 1,000 dilution) assays. Y. ruckeri is a Gram-negative, rod-shaped bacterium that shows a variable motility due to the presence of flagella. These flagella are not always observed. Y. ruckeri is the causative agent of enteric redmouth disease (ERM) which is characterized by a chronic or acute enterosepticemia with high morbidity and mortality rates in salmonids and non-salmonids species. Six serovars have been described according to whole-cell serological typing.
Formulation	Solution at 1.0 mg/mL in PBS.
References	García, J.A. et al. (1998) J. Appl. Microbiol. 85, 949-955. Tobback, E. et al. (2007) J. Fish Dis. 30, 257-268.