

Catalog Number FM-190AZ-5

Product Name Anti-IgM of Coho salmon (*Oncorhynchus kisutch*) IgG fraction monoclonal antibody (clone 3H7/E1)

Temperature -20°C

Unit 100µg

Category Infectious Agents

Subcategory Fish Pathogens (Aquaculture)

Description Mouse monoclonal antibody IgG fraction (clone 3H7/E1) obtained by immunizing mice with a purified IgM fraction from Coho salmon (*Oncorhynchus kisutch*) sera. The IgG fraction was purified using Protein G-Sepharose.

Isotype IgG-1

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 assay (1: 100 dilution) and it has cross reactivity with Atlantic salmon (*Salmo salar*) and rainbow trout (*Oncorhynchus mykiss*). IgM is the only immunoglobulin class described in salmonids. It circulates throughout the fish body and performs the functions of complement fixation and opsonization. Salmonid IgM is a tetramer characterized by different degree of disulfide polymerization with identical binding sites. The heavy and light chains have a molecular mass of 70 and 25 kDa respectively determined by PAGE-SDS under reducing conditions. The tetramer is 780 kDa determined by gel filtration.

Formulation Solution at 1.0 mg/mL in PBS. Some of the liquid in the vial could have evaporated with changes in the final volume. However, the mass of the protein is still inside the vial.

References Sakai, D.K. (1992) *Ann. Rev. Fish Dis* 2, 223-247.
Håvarstein, L.S. et al. (1990) *J. Fish Dis* 13, 101-111.

This product is to be used for laboratory only. Not for diagnostic or therapeutic use.

AMSBIO | www.amsbio.com | info@amsbio.com

 **UK & Rest of the World**
184 Park Drive, Milton Park
Abingdon OX14 4SE, UK
T: +44 (0)1235 828 200
F: +44 (0) 1235 820 482

 **North America**
1035 Cambridge Street,
Cambridge, MA 02141
T: +1 (617) 945-5033 or
T: +1 (800) 987-0985
F: +1 (617) 945-8218

 **Germany**
Bockenheimer Landstr. 17/19
60325 Frankfurt/Main
T: +49 (0) 69 779099
F: +49 (0) 69 13376880

 **Switzerland**
Centro Nord-Sud 2E
CH-6934 Bioggio-Lugano
T: +41(0) 91 604 55 22
F: +41(0) 91 605 17 85