

Catalog Number	FM-123AY-5
Product Name	Anti-Infectious salmon anemia virus (ISAV) Fusion protein. IgG fraction monoclonal antibody (clone 8B2/A4)
Temperature	-20°C
Unit	100µg
Category	Infectious Agents
Subcategory	Fish Pathogens
Description	Mouse monoclonal antibody IgG fraction (clone 8B2/A4) obtained by immunizing mice with a purified N-terminal fusion ISAV protein recombinant fragment. The IgG fraction was purified using Protein G-Sepharose.
Isotype	IgG2a
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 (1:1,000 dilution), Western blot (1:1,000 dilution), and indirect immunofluorescence (1:500). It recognizes a 50 kDa protein corresponding to ISAV fusion protein. ISAV is an enveloped virus that belongs to the family Orthomyxoviridae and genus Isavirus. Its genome comprises eight negative-sense, single-stranded RNA segments and encodes four major structural proteins including the matrix, the nucleoprotein, and two membrane glycoproteins (hemagglutinin-esterase and fusion protein gp50). ISAV infects mainly endothelial cells and leukocytes and causes a multisystemic disease characterized by high mortality with exophthalmia, pale gills, ascites, hemorrhagic liver necrosis, and renal interstitial hemorrhage.
Formulation	Solution at 1.0 mg/mL in PBS.
References	Rimstad, E. & Mjaaland, S. (2002) APMIS 110, 273-282. Ritchie, R.J. et al. (2002) Virus Res.84, 161-170. Falk,K. et al. (2004) J. Virol. 78, 3063-3071. Kibenge, F.S. et al. (2007) 4, 34. Goic, B. et al. (2008) Virology 379, 55-63.

This product is for research use ONLY in laboratory animals and in vitro testing. NOT for diagnostic or human use.

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