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| <b>Catalog Number</b>      | FM-124AZ-5  |
| <b>Product Name</b>        | Anti-Infectious salmon anemia virus (ISAV) Matrix protein. IgG fraction monoclonal antibody (clone 1D6/C8)  |
| <b>Temperature</b>         | -20°C   |
| <b>Unit</b>                | 100µg   |
| <b>Price</b>               | 285   |
| <b>Availability</b>        | Available   |
| <b>Category</b>            | Infectious Agents   |
| <b>Subcategory</b>         | Fish Pathogens (Aquaculture)  |
| <b>Description</b>         | Mouse monoclonal antibody IgG fraction (clone 1D6/C8) obtained by immunizing mice with a purified matrix recombinant protein of ISAV. The IgG fraction was purified using Protein G-Sepharose.  |
| <b>Isotype</b>             | IgG1  |
| <b>Mol Weight</b>          | N/A   |
| <b>Purity</b>              | N/A   |
| <b>Storage</b>             | Store at -20°C.   |
| <b>Stability</b>           | Stable at least one year at -20°C. Avoid repeated freezing and thawing.   |
| <b>Biological Activity</b> | This antibody can be used in ELISA (1:500 dilution), Western blot (1:500 dilution), and indirect immunofluorescence (1:250). It recognizes 23 kDa protein corresponding to ISAV matrix 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 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. |
| <b>Formulation</b>         | Solution at 1.0 mg/mL in PBS.   |
| <b>References</b>          | 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.   |