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SM1852**Monoclonal Antibody to Salmonid Ig - Supernatant**

Alternate names:	Salmon Ig, Salmon immunoglobulin
Quantity:	0.5 ml
Host / Isotype:	Mouse / IgG2a
Clone:	5F12
Immunogen:	Rainbow trout and Atlantic salmon immunoglobulins. Spleen cells from immunised Balb/c mice were fused with cells of the mouse NSO myeloma cell line.
Format:	State: Liquid Concentrated Tissue Culture Supernatant Preservatives: 0.09% Sodium Azide
Applications:	ELISA: 1/250-1/1000. Western blot: 1/250-1/1000. This antibody detects a band of app. 71 kDa using Salmon immune serum. Immunofluorescence. Flow Cytometry. Does NOT work on Immunohistochemistry sections. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
Specificity:	This antibody recognizes immunoglobulin, binding to Ig of the salmo, oncorhynchus and salvelinus geni. The antibody may be used to detect increased levels of immunoglobulins in fish serum, which may be indicative of a parasitic or viral infection. These include: Salmo: Atlantic Salmon, Brown Trout. Oncorhynchus: Chinook Salmon, Chum Salmon, Coho Salmon, Sockeye Salmon, Rainbow Trout. Salvelinus: Arctic Char, Brook Trout.
Species Reactivity:	Tested: Salmonid.
Storage:	Store undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
General Readings:	1. Bakke-McKellep AM, Sanden M, Danieli A, Acierno R, Hemre GI, Maffia M, et al. Atlantic salmon (<i>Salmo salar</i> L.) parr fed genetically modified soybeans and maize: Histological, digestive, metabolic, and immunological investigations. <i>Res Vet Sci.</i> 2008 Jun;84(3):395-408. PubMed PMID: 18561390. 2. Raida MK, Nylén J, Holten-Andersen L, Buchmann K. Association between plasma antibody response and protection in rainbow trout <i>Oncorhynchus mykiss</i> immersion vaccinated against <i>Yersinia ruckeri</i> . <i>PLoS One.</i> 2011;6(6):e18832. doi: 10.1371/journal.pone.0018832. Epub 2011 Jun 24. PubMed PMID: 21731605. 3. von Gersdorff Jørgensen L, Heinecke RD, Skjødt K, Rasmussen KJ, Buchmann K. Experimental evidence for direct in situ binding of IgM and IgT to early trophonts of

- Ichthyophthirius multifiliis (Fouquet) in the gills of rainbow trout, *Oncorhynchus mykiss* (Walbaum). *J Fish Dis.* 2011 Oct;34(10):749-55. doi: 10.1111/j.1365-2761.2011.01291.x. PubMed PMID: 21916900.
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9. Holten-Andersen L, Dalsgaard I, Nylén J, Lorenzen N, Buchmann K. Determining vaccination frequency in farmed rainbow trout using *Vibrio anguillarum* O1 specific serum antibody measurements. *PLoS One.* 2012;7(11):e49672. doi: 10.1371/journal.pone.0049672. Epub 2012 Nov 21. PubMed PMID: 23185402.
10. Cook, M et al. (2008) Amoebic gill disease (AGD) vaccine development phase II - Molecular basis of host parasite interactions in amoebic gill disease. Aquafin CRC Project 3.4.4(2)
11. Villumsen KR, Neumann L, Ohtani M, Strøm HK, Raida MK. Oral and anal vaccination confers full protection against enteric redmouth disease (ERM) in rainbow trout. *PLoS One.* 2014 Apr 4;9(4):e93845. doi: 10.1371/journal.pone.0093845. eCollection 2014. PubMed PMID: 24705460.
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