Kudoa thyrsites (IPA-2F4): sc-80862

**BACKGROUND**

*Kudoa thyrsites* is a marine myxosporean that infects many fish species around the world. *K. thyrsites* is found worldwide and causes a post-mortem myoliquefaction, a liquefaction of the muscle tissue to such an extent that the fish becomes inedible. *K. thyrsites* spores are stellate, with four valves and four polar capsules. Upon infection by the actinosporean stage the sporoplasm migrates to the muscle fibre where a pseudocyst is formed and isolated by immunity functions. Within these pseudocysts are the developing spore stages. Comparison of 18S rDNA sequences show a distinction between *Kudoa* species and other myxozoan. Prevention and/or control of *K. thyrsites* infections is difficult as most netpens are in open water. There are no current treatments, however, disrupting the life cycle in some way will likely have an impact on the rate of infection. This parasite does not infect humans.

**REFERENCES**


**SOURCE**

*Kudoa thyrsites* (IPA-2F4) is a mouse monoclonal antibody raised against *Kudoa thyrsites* spores.

**PRODUCT**

Each vial contains 100 µg IgM in 1.0 ml PBS with < 0.1% sodium azide and 0.1% gelatin.

**APPLICATIONS**

*Kudoa thyrsites* (IPA-2F4) is recommended for detection of *Kudoa thyrsites* of Myxozoan origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500) and flow cytometry (1 µg per 1 x 10⁶ cells).

**RECOMMENDED SECONDARY REAGENTS**

To ensure optimal results, the following support (secondary) reagents are recommended: 1) Western Blotting: use goat anti-mouse IgM-HRP: sc-2064 (dilution range: 1:500-1:5,000), TBS Blotto A Blocking Reagent: sc-2333 and Western Blotting Luminol Reagent: sc-2048. 2) Immunofluorescence: use goat anti-mouse IgM-FITC: sc-2082 (dilution range: 1:100-1:400) or goat anti-mouse IgM-TR: sc-2983 (dilution range: 1:100-1:400) with UltraCruz™ Mounting Medium: sc-24941.

**STORAGE**

Store at 4°C, **DO NOT FREEZE**. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

**RESEARCH USE**

For research use only, not for use in diagnostic procedures.

**PROTOCOLS**

See our web site at www.scbt.com or our catalog for detailed protocols and support products.