

Anti-PKD [P14G8]

Catalogue number: 153344

Sub-type:

Images:

Contributor

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Institute: Vertebrate Antibodies Limited

Images:

Tool details

***FOR RESEARCH USE ONLY**

Name: Anti-PKD [P14G8]

Alternate name: P14G8; T. bryosalmonae P14G8

Class: Monoclonal

Conjugate: Unconjugated

Description: Monoclonal antibody directed against P14G8 antigen of T.bryosalmonae parasite, linked to PKD. Background and Research Application: The myxozoan parasite Tetracapsuloides bryosalmonae infects salmonid fishes. It causes proliferative kidney disease (PKD), one of the most serious parasitic diseases of salmonid populations in Europe and North America, which causes losses of up to 90% in infected populations. Currently no treatments exist to control PKD. Anti-PKD (P14G8) targets T.bryosalmonae P14G8 antigen and is species-specific. This antibody detects the extrasporogonic stage of the parasite.

Purpose:

Parental cell:

Organism:

Tissue:

Model:

Gender:

Isotype: IgG

Reactivity: Tetracapsuloides bryosalmonae

Selectivity:

Host: Mouse

Immunogen: Peptide Sequence specific to P14G8 parasite antigen

Immunogen UNIPROT ID:

Sequence:

Growth properties:

Production details:

Formulation:

Recommended controls: Western Blot: Infected fish kidney cells. IHC: formalin-fixed, paraffin-embedded multi tumour tissue microarray (kidney from healthy fish versus kidney from infected fish).

Bacterial resistance:**Selectable markers:****Additional notes:**

Target details

Target: Tetracapsuloides bryosalmonae parasite antigen P14G8

Target alternate names:

Target background: Monoclonal antibody directed against P14G8 antigen of T.bryosalmonae parasite, linked to PKD. Background and Research Application The myxozoan parasite Tetracapsuloides bryosalmonae infects salmonid fishes. It causes proliferative kidney disease (PKD), one of the most serious parasitic diseases of salmonid populations in Europe and North America, which causes losses of up to 90% in infected populations. Currently no treatments exist to control PKD. Anti-PKD (P14G8) targets T.bryosalmonae P14G8 antigen and is species-specific. This antibody detects the extrasporogonic stage of the parasite.

Molecular weight:**Ic50:**

Applications

Application: ELISA ; IHC ; WB

Application notes: **Production Details** Purified using multi-step affinity chromatography with protein A. **Storage Conditions** Store at -20 degrees frozen. Avoid repeated freeze/thaw cycles. **Points of Interest** The P14G8 protein appears to be secreted locally and surrounds adjacent leukocytes. This antibody is potentially neutralising and can be used for diagnostics and to study parasite-host interactions. Recommended Usage Conditions: ELISA neat; Western Blot neat; IHC neat (antigen retrieval: microwave 20 min @ 800W in 10 mM citrate buffer, pH 6.0). **Concentration** 1mg/ml as standard

Handling

Format: Liquid

Concentration:

Passage number:

Growth medium:

Temperature:

Atmosphere:

Volume:

Storage medium:

Storage buffer:

Storage conditions:

Shipping conditions: Shipping at 4° C

Related tools

Related tools:

References

References: The expression of brown fat-associated proteins in colorectal cancer and the relationship of uncoupling protein 1 with prognosis. ; The expression of brown fat associated proteins in colorectal cancer and the relationship of uncoupling protein 1 with prognosis. Alnabulsi et al. 2019. Int J Cancer. ∴ PMID: 30737786.

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