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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-VP28 [Mab 216] Standard Size Ab03726-23.0

Isotype and Format: Rabbit IgG, Kappa

Clone Number: Mab 216

Alternative Name(s) of Target: WSSV; WSSV VP28; 25kDa structural protein VP25; Envelope protein VP28; Major structural protein VP28; Mab216; 216

UniProt Accession Number of Target Protein: Q9ICB7

Published Application(s): neutralize, WB

Published Species Reactivity: White spot syndrome virus (WSSV)

Immunogen: The original antibody was generated by immunizing female WKY/NCrj rats with crude virus preparations and hybridomas were generated using cells from the enlarged medial iliac lymph nodes.

Specificity: This antibody binds the VP28 envelope protein of the White spot syndrome virus (WSSV). White spot syndrome virus (WSSV) is a major pathogen in shrimp aquaculture. VP28 is one of the most important envelope proteins of WSSV.

Application Notes: This antibody was capable of detecting VP28 protein of WSSV in a western blot. Immuno-electron microscopy further showed that the epitope of this antibody is located on the viral envelope protein. In vitro neutralization studies in shrimp primary lymphoid cell culture showed diminished infectivity. In vivo neutralization assay showed 80% survival in shrimps injected with WSSV at a dilution of 1×10^{-3} pre-incubated with purified immunoglobulin (IgG) version of MAb 216. At higher virus concentration this antibody was not able to neutralize the virus (K.D.T. Natividad et al., 2007).

Antibody First Published in: K.D.T. Natividad et al. White spot syndrome virus (WSSV) inactivation in *Penaeus japonicus* using purified monoclonal antibody targeting viral envelope protein. *Aquaculture* 269 (2007) 54–62. [PMID:](#)

Note on publication: This paper describes the generation and characterization of a monoclonal antibody Mab 216 and evaluates its neutralizing activity both in vivo and in vitro

Product Form

Size: 100 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -20°C.

Concentration:

1 mg/ml.

Important note - This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.