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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Genome polyprotein [1D5] Bulk Size Ab04460-23.0-BT

Isotype and Format: Rabbit IgG, Kappa

Clone Number: 1D5

Alternative Name(s) of Target: CA6; VP1; Capsid protein VP1

UniProt Accession Number of Target Protein: A0A0K2BNC7

Published Application(s): in vitro, in vivo, neutralization, ELISA, IHC

Published Species Reactivity: Coxsackievirus A6

Immunogen: The original antibody was raised by immunizing a mouse with Coxsackievirus A6.

Specificity: This antibody is specific for the immune-dominant antigenic site within VP1 comprising the BC, DE, EF, and HI loops of Coxsackievirus A6. It does not show the same reactivity in other Coxsackievirus variants.

Application Notes: The original antibody was used for immunohistochemistry on Coxsackievirus A6 infected mice. Further this antibody was used for an in vivo neutralization assay on BALB/c mice. The BALB/c mice were passively immunized with this antibody before being infected with Coxsackievirus A6. This significantly increased survival rates. This antibody was also used for a neutralization assay where the mouse was first infected with Coxsackievirus A6 before injecting this antibody. This also increased survival rates (Yang et al., 2016; PMID:27582066). This antibody was used for an in vitro neutralization assay, the binding of Coxsackievirus A6 to RD cells was tested and showed a decrease compared to the control. This antibody was used for an ELISA on Coxsackievirus A6 particles. The structure of this antibody was determined using Cryo-EM (Xu et al., 2017; PMID:28894095).

Antibody First Published in: Yang et al. A neonatal mouse model for the evaluation of antibodies and vaccines against coxsackievirus A6 *Antiviral Res.* 2016 Oct;134:50-57. [PMID:27582066](#)

Note on publication: The original paper established the first neonatal mouse model for the evaluation of antibodies and vaccines against Coxsackievirus A6.

Product Form

Size: 1 mg Purified antibody in bulk size.

Purification: Protein A affinity purified

Supplied In: PBS only.

Storage Recommendation: Store at 4°C for up to 3 months. Note, this antibody is provided without added preservatives, it is therefore recommended this antibody be handled under sterile conditions. 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.