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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Genome polyprotein [C5] Standard Size Ab04424-1.29

This is a Fab fragment with a his-tag.

Isotype and Format: Mouse Fab fragment, His-Tagged, Kappa

Clone Number: C5

Alternative Name(s) of Target: P1; Capsid protein VP3; Virion protein 3

UniProt Accession Number of Target Protein: P03303

Published Application(s): neutralization

Published Species Reactivity: Human Rhinovirus 14

Immunogen: The original antibody was raised by immunizing a mouse with human rhinovirus 14.

Specificity: This antibody is specific for capsid protein VP3, N1m-III site of Human rhinovirus 14.

Application Notes: The structure of the original antibody bound to its antigen was determined using cryo-EM. Further the original antibody was used for both a preattachment neutralizing assay and a postattachment neutralization assay on HeLa-H1 cell monolayers. The antibody showed the ability to neutralize RV-B14 in both assays. The antibody was able to trigger genome release in the virus (Dong et al., 2017; PMID:28696310).

Antibody First Published in: Dong et al. Antibody-induced uncoating of human rhinovirus B14 Proc Natl Acad Sci U S A. 2017 Jul 25;114(30):8017-8022. [PMID:28696310](#)

Note on publication: The original paper reports that the antigen-binding (Fab) fragment of a neutralizing antibody (C5) can trigger genome release from RV-B14 to form emptied particles and neutralize virus infection.

Product Form

Size: 100 µg Purified antibody.

Purification: Purified by Immobilized Metal Affinity Chromatography

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.