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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-RNase A [cAb-RN05] Standard Size Ab03287-1.159

Isotype and Format: Mouse IgG1-Fc fusion

Clone Number: cAb-RN05

Alternative Name(s) of Target: Ribonuclease pancreatic; RNASE1; RNase 1; RNaseA; RNS1 RN05

UniProt Accession Number of Target Protein: P61823

Published Application(s): ELISA

Published Species Reactivity: calf

Immunogen: The original antibody was generated by immunizing a dromedary (*Camelus dromedarius*) with bovine RNase A. The affinity matured version of this antibody was generated using synthetic combinatorial libraries.

Specificity: This antibody binds bovine RNase A. RNase A is an endonuclease enzyme that catalyzes the cleavage of RNA on the 3' side of pyrimidine nucleotides. It acts on single-stranded and double-stranded RNA.

Application Notes: This antibody binds bovine RNase with an affinity in the picomolar range. This affinity matured version of VHH antibody cAb-RN05 binds bovine RNase with an affinity of $K_d = 180$ pM (PMID: 17888451). 5'-3' cUMP that binds into the active site of RNase A does not compete with cAb-RN05 for binding to RNase A in an ELISA (PMID: 10196124).

Antibody First Published in: Koide et al. Exploring the capacity of minimalist protein interfaces: interface energetics and affinity maturation to picomolar KD of a single-domain antibody with a flat paratope. *J Mol Biol.* 2007 Nov 2;373(4):941-53. [PMID:17888451](#)

Note on publication: Describes the affinity maturation of a VVH antibody against bovine RNase.

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.