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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-Methotrexate [R3.04] Bulk Size Ab03289-23.159-BT

Isotype and Format: Rabbit IgG-Fc fusion

Clone Number: R3.04

Alternative Name(s) of Target: MTX; amethopterin; 4-amino-N10-methylpteroylglutamic acid; 4-amino-10-methylfolic acid; CHEBI:44185; CAS number: 59-05-2

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Species independent

Immunogen: The original antibody was generated by immunizing a female llama with methotrexate-BIP conjugate.

Specificity: This antibody binds methotrexate, formerly known as amethopterin. It is a chemotherapy agent and immune-system suppressant. It is often used in treatment of cancer, autoimmune diseases, ectopic pregnancy and for medical abortions.

Application Notes: The binding reactivity of this single chain antibody for methotrexate-BSA was done using direct and competitive ELISA, with no cross reactivity with only BSA. The binding affinity of the original VHH version of this antibody as determined by BIAcore analysis was reported to be $K_d=29$ nM (PMID: 17011035).

Antibody First Published in: Rueda et al. Generation of llama single-domain antibodies against methotrexate, a prototypical hapten. Mol Immunol. 2007 Mar;44(7):1680-90. [PMID:17011035](#)

Note on publication: Describes the generation and characterization of this antibody.

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.