



# SZABO SCANDIC

Part of Europa Biosite

## Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!  
See the following pages for more information!



### Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

### SZABO-SCANDIC HandelsgmbH

Quellenstraße 110, A-1100 Wien

T. +43(0)1 489 3961-0

F. +43(0)1 489 3961-7

[mail@szabo-scandic.com](mailto:mail@szabo-scandic.com)

[www.szabo-scandic.com](http://www.szabo-scandic.com)

[linkedin.com/company/szaboscandic](https://www.linkedin.com/company/szaboscandic) 

## Anti-Methotrexate [R3.04] Bulk size M Ab03289-1.159-BS

**Isotype and Format:** Mouse IgG1-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:** See vial label

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