



# 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-Arsonate [36-65] Standard Size Ab03292-23.0

This chimeric rabbit antibody was made using the variable domain sequences of the original Mouse IgG1 format for improved compatibility with existing reagents assays and techniques.

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 36-65

**Alternative Name(s) of Target:** arsonate(1-); hydrogen arsonate; CHEBI:64448; Q27133288; hydroxyarsinate

**UniProt Accession Number of Target Protein:**

**Published Application(s):** crystallography, in vitro, in vivo, ELISA

**Published Species Reactivity:** Species independent

**Immunogen:** The original antibody was generated by immunization A/J mice with the hapten p-azophenylarsonate.

**Specificity:** The antibody is specific for arsonate.

**Application Notes:** The antibody is a relatively low-affinity germline-encoded antibody with a true  $K_a$  of  $2.5 \times 10^5 \text{ M}^{-1}$  (Rothstein et al., 1983; PMID: 6843553). The specificity of the IgG1 format of the antibody was confirmed by ELISA analysis. The antibody was employed in in vitro binding assay, the antibody bound effectively to high density antigen beads with retention of 57.8% while the binding to low density target was 17.6%. The antibody behavior in vivo, using antigen-substituted beads s.c. implanted into SCID mice was examined. Results showed the antibody bound effectively to the HD antigen target (Zuckier et al., 2000; PMID: 11156404). The crystal structure of the Fab fragment was determined and the antibody affinity for the hapten was measured ( $K_d = 8.1 \text{ mM}$ ) (Sethi et al., 2006; PMID: 16618601).

**Antibody First Published in:** Siekevitz et al. The genetic basis of antibody production: the dominant anti-arsonate idiotype response of the strain A mouse. Eur J Immunol. 1982 Dec;12(12):1023-32. [PMID:6186498](#)

**Note on publication:** The paper describes the generation and characterization of the antibody.

## Product Form

**Size:** 200 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.