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Produktinformation



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Diagnostik & molekulare Diagnostik



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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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Anti-Arsonate [36-65] Bulk Size Ab03292-23.0-BT

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: 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.