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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

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

www.szabo-scandic.com

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

Anti-acetylcholinesterase [1G] Bulk Size Ab04029-10.3-BT

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This is a reformatted human IgG1 Fc Silent Fc Silent™ antibody, based on the original human IgG1 format, created for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: 1G

Alternative Name(s) of Target: EC:3.1.1.7; AChE

UniProt Accession Number of Target Protein: P22303

Published Application(s): BLI, ELISA

Published Species Reactivity: Human

Immunogen: The original antibody was generated immunizing mice with full-length recombinant human acetylcholinesterase (rHuAChE).

Specificity: The antibody is specific for acetylcholinesterase.

Application Notes: The specificity of the antibody was confirmed by ELISA analysis ($K_d = 1$ nM). The binding affinity of the antibody to AChE was measured by BLI ($K_d = 0.32$ nM) (Dafferner et al., 2017; PMID: 28892361).

Antibody First Published in: Dafferner et al. Immunopurification of Acetylcholinesterase from Red Blood Cells for Detection of Nerve Agent Exposure Chem Res Toxicol. 2017 Oct 16; 30(10): 1897-1910.

[PMID:28892361](#)

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