



SZABO SCANDIC

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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-Cocaine [7A1] Standard Size Ab03752-10.3

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: 7A1

Alternative Name(s) of Target: Benzoylmethylecgonine; coca; coke; crack; ChEBI: 27958

UniProt Accession Number of Target Protein:

Published Application(s): ELISA

Published Species Reactivity: Species independent

Immunogen: The original antibody was generated by immunizing mice with a phosphonate mono-ester transition state analog (TSA) of cocaine coupled through a covalent linkage to the carrier protein keyhole limpet hemocyanin (KLH).

Specificity: This antibody binds to cocaine, a strong stimulant used clinically as a local analgesic and vasoconstrictor and illegally as a recreational drug.

Application Notes: This antibody catalyzes the hydrolysis of cocaine to produce nonpsychoactive metabolites ecgonine methyl ester and benzoic acid.

Antibody First Published in: Zhu et al. Complete reaction cycle of a cocaine catalytic antibody at atomic resolution. Structure. 2006 Feb;14(2):205-16. [PMID:16472740](#)

Note on publication: The paper describes the significant structural changes that occur during the hydrolysis of cocaine to form nonpsychoactive metabolites.

Product Form

Size: 100 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.