



# 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

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## Anti-Cocaine [7A1] Standard Size Ab03752-10.0

**Isotype and Format:** Human IgG1, 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.