



# 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-Morphine [6G1] Standard Size Ab03757-2.0

**Isotype and Format:** Mouse IgG2a, Kappa

**Clone Number:** 6G1

**Alternative Name(s) of Target:** Morphium; HSM; morphine 6-hemisuccinyl ester; opioids; ChEBI: 17303

**UniProt Accession Number of Target Protein:**

**Published Application(s):** ELISA

**Published Species Reactivity:** Species independent

**Immunogen:** The original antibody was generated by immunizing Balb/c mice with morphine derivative, 6-hemisuccinyl ester conjugated to BSA.

**Specificity:** This antibody binds morphine and also recognizes the 6-hemisuccinyl ester of morphine. Morphine is a strong opiate that is found naturally in opium, a dark brown resin in poppies (*Papaver somniferum*). It is considered the classic opioid analgesic, most commonly used in pain management, morphine provides major relief to patients afflicted with pain. It is a non-synthetic narcotic with a high potential for abuse.

**Application Notes:** This antibody binds morphine with a binding affinity of  $K_d = 123\text{nM}$ . The binding characterization of this antibody to the 6-hemisuccinyl ester of morphine was done using ELISA (PMID: 32219918).

**Antibody First Published in:** Trofimov et al. Epitope specificity of two anti-morphine monoclonal antibodies: In vitro and in silico studies. *J Mol Recognit.* 2020 Sep;33(9):e2846. [PMID:32219918](#)

**Note on publication:** This paper describes the characterization of two antibodies generated against morphine.

### 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.