



# 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-Morphine [3K11] Bulk Size Ab03758-23.0-BT

**Isotype and Format:** Rabbit IgG, Kappa

**Clone Number:** 3K11

**Alternative Name(s) of Target:** Morphium; 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 two morphine derivative 3-O-carboxymethyl ester, conjugated to BSA.

**Specificity:** This antibody binds morphine and also recognizes the 3-O-carboxymethyl 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  $K_d = 61\text{nM}$ . The binding characterization of this antibody to the 3-O-carboxymethyl 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:** 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.