



# 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 [MOR158 (MOR158.1.3)] Bulk Size Ab03756-10.3-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:** MOR158 (MOR158.1.3)

**Alternative Name(s) of Target:** Morphium; Codeine; Ethylmorphine; Dihydromorphine; Dihydrocodeine; Dihydromorphinone; Dihydrocodeinone; Norcodeine; Naloxone; Naltrexone; ChEBI: 17303

**UniProt Accession Number of Target Protein:**

**Published Application(s):** RIA, ELISA

**Published Species Reactivity:** Species independent

**Immunogen:** The original antibody was generated by immunizing female BALB/c mice with morphine-BSA conjugate.

**Specificity:** This antibody binds morphine and cross reacts with other opioids like codeine, ethylmorphine, dihydromorphine, dihydrocodeine, dihydromorphinone, dihydrocodeinone, norcodeine, naloxone and naltrexone. 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:** The initial binding reactivity and cross reactivity of this antibody to morphine and other opioids was determined using ELISA and radioimmunoassay (PMID: 3211162; 8417377).

**Antibody First Published in:** Sawada et al. Production and characterization of high-affinity monoclonal antibodies against morphine. *Mol Immunol.* 1988 Sep;25(9):937-43. [PMID:3211162](#)

**Note on publication:** Describes the generation and characterization of twelve antibodies 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.