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Produktinformation



Forschungsprodukte & Biochemikalien



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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

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Anti-Morphine [6G1] Bulk Size Ab03757-23.0-BT

Isotype and Format: Rabbit IgG, 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: 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.