



## **Product specifications**

Name Morphine Antibody

Specificity Antibody primarily recognizes Morphine, Morphine metabolites and related opioids

Description Protein A purified monoclonal mouse antibody, cultured *in vitro* under conditions free from

animal-derived components

Product code 100897

Product buffer solution 0.05M Potassium Phosphate Buffer, pH 7.2 with 0.85 % NaCl, 0.05 % NaN₃ as a preservative

Shelf life and storage 12 months from manufacturing at 2–8 °C

Subclass IgG<sub>1</sub>

Analyte description Morphine is a non-synthetic opioid drug used to treat pain.

## Parameters tested on each lot

Product appearance Liquid, may turn slightly opaque during storage

Product concentration ≥ 1.5 mg/ml

Immunoreactivity Not Determined (N/D)

IEF Profile N/D

Purity > 90 %

## Kinetic parameters

Association rate constant N/D

Dissociation rate constant N/D

Affinity constant N/D

Determination method -

Determination antigen -





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Cross-reactivities Morphine, Morphine-3-β-O-glucuronide, Codeine, Hydrocodone ≥ 100 %; Ethylmorphine 95 %;

Hydromorphone 56 %; Diacetylmorphine, 6-Mono-acetyl-morphine 40 %; Nalorphine 33 %; Naloxone, Oxycodone, Oxymorphone < 4 %; Imipramine, Clomipramine < 2 %; Amitriptyline <

0.1 %

Epitope N/D

Pair recommendations 170036 and P81-99-01A (BSA conjugate as capture) or 170081 and P91-99-01H (HRP

conjugate as detection)

Please note that pair recommendations are based on results obtained by our laboratory.

Equally good results may be obtained using other pairs and therefore these

recommendations are only indicative.

Platforms tested ELISA, LF

Antigens tested Please see Pair recommendations above

Product stability TEMPERATURE, TIME RESULT

N/D

Miscellaneous This product was previously available with Catalog codes B01-99-02M-P and HM578. It has

been produced using the same original mouse monoclonal hybridoma cell line.

Immunogen: Morphine-BSA

References -