

Morphine Antibody

Product overview

Catalog number	100897
Specificity	Antibody primarily recognizes Morphine, Morphine metabolites and related opioids
Description	Protein A purified monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	0.05M Potassium Phosphate Buffer, pH 7.2 with 0.85% NaCl, 0.05% NaN ₃ as a preservative
Shelf life and storage	18 months from manufacturing at 2–8 °C
Subclass	IgG ₁
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 \geq 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	-



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