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Morphine (C1F3) Mouse mAb

Catalog Number:	bsm-2029M
Target Protein:	Morphine (C1F3)
Concentration:	1mg/ml
Form:	Size : 50ul/100ul/200ul Liquid Size : 200ug (PBS only) Lyophilized Note: Centrifuge tubes before opening. Reconstitute the lyophilized product in distilled water. Optimal concentration should be determined by the end user.
Host:	Mouse
Clonality:	Monoclonal
Clone No.:	C1F3
Isotype:	IgG
Applications:	ELISA (1:5000-10000)
Reactivity:	(predicted:Morphine)
Predicted MW:	0.75883 kDa
Purification:	affinity purified by Protein A
Storage:	Size : 50ul/100ul/200ul 0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50% Glycerol. Size : 200ug (PBS only) 0.01M PBS Shipped at 4°C. Store at -20°C for one year. Avoid repeated freeze/thaw cycles.
Background:	Morphine is thought to produce reinforcement phenomena via stimulation of mu, delta, and kappa opioid receptors that regulate stress perception, pain control, reward behavior, and neurohormone secretion in reward-relevant brain systems. It has the highest affinity for mu, followed by delta and kappa. Rapid activation of the mu opioid receptor by morphine results in a euphoric phenotype, thus conferring the reinforcing effects of the drug. This activation is accompanied by extracellular dopamine release, which alters several events related to the cAMP signal transduction pathway. Of particular significance is that CREB seems to be modified by morphine, thereby affecting addictive behavioral phenomena, such as withdrawal symptoms.