bsm-2029M

## [ Primary Antibody ]

## BIOSS ANTIBODIES

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## - DATASHEET -

Host: Mouse Isotype: IgG
Clonality: Monoclonal CloneNo.: C1F3

Target: Morphine (C1F3)

**Purification:** affinity purified by Protein A

Concentration: 1mg/ml

Storage: Size: 50ul/100ul/200ul

0.01M TBS (pH7.4) with 1% BSA, 0.02% Proclin300 and 50%

Glycerol.

Size: 200ug (PBS only)

Morphine (C1F3) Mouse mAb

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.

**Applications: ELISA** (1:5000-10000)

Reactivity: Species independent

Predicted MW.: 0.75883 kDa