### bsm-33318M

## [ Primary Antibody ]

# BIOSS ANTIBODIES

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# Firefly Luciferase Mouse mAb

- DATASHEET -

Host: Mouse Isotype: IgG1
Clonality: Monoclonal CloneNo.: 11D6

Target: Firefly Luciferase

Purification: affinity purified by Protein G

Concentration: 1mg/ml

Storage: Size: 100ul/500ul

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:** Luciferase from the firefly has become one of the more widely used

reporter proteins for the study of gene expression. Luciferase catalyzes a bioluminescent reaction which requires the substrate luciferin as well as Mg2+ and ATP. Mixing these reagents with the cell extract containing luciferase, results in a flash of light that decays rapidly. This light can be detected by a luminometer. The total light emission is proportional to the luciferase activity of the

sample.

**Applications: WB** (1:500-5000)

IHC-P (1:200-1000)
IHC-F (1:200-1000)
IF (1:200-1000)
Flow-Cyt (1ug/Test)
ICC/IF (1:100-500)
ELISA (1:1000-5000)

Reactivity: (predicted: Firefly)

Predicted MW.: 61 kDa

Subcellular Cytoplasm

#### — SELECTED CITATIONS -

- [IF=6.58] Jiang Chen. et al. Inhibition of SARS-CoV-2 pseudovirus invasion by ACE2 protecting and Spike neutralizing peptides: An alternative approach to COVID19 prevention and therapy. Int J Biol Sci. 2021; 17(11): 2957–2969 IF,IHC ;Human. 34345219
- [IF=3.9] Hui Li. et al. Key Amino Acids in RNA Polymerase and Helicase Proteins Regulate RNA Synthesis Efficiency in Porcine Reproductive and Respiratory Syndrome Virus. J BIOL CHEM. 2025 May;:110247 WB; Mesocricetus auratus, Monkey. 40383149