

Firefly Luciferase Rabbit mAb

Catalog No: #48664

Package Size: #48664-1 50ul #48664-2 100ul

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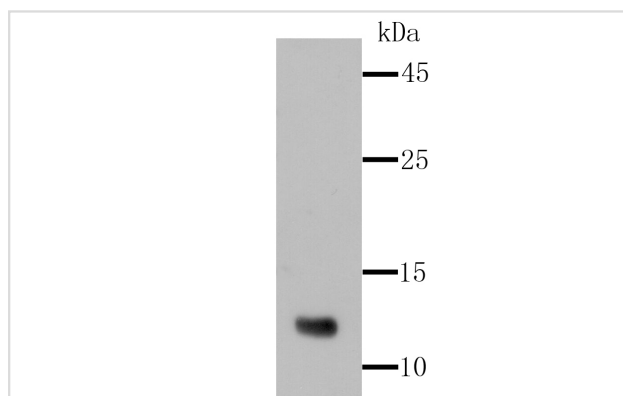
Description

Product Name	Firefly Luciferase Rabbit mAb
Host Species	Recombinant Rabbit
Clonality	Monoclonal antibody
Clone No.	SR03-86
Purification	ProA affinity purified
Applications	WB, ICC, IF
Species Reactivity	Firefly
Immunogen Description	Recombinant protein
Other Names	ec 1.13.12.7 antibody Firefly antibody Luciferase antibody Luciferin 4 monooxygenase antibody
Accession No.	Swiss-Prot#:P08659
Formulation	1*TBS (pH7.4), 1%BSA, 40%Glycerol. Preservative: 0.05% Sodium Azide.
Storage	Store at -20°C

Application Details

WB: 1:500-1:2,000

Images



Western blot analysis of Firefly Luciferase on luciferase recombinant protein lysate using anti-Firefly Luciferase antibody at 1/1,000 dilution.

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 Mg^{2+} 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.

References

1. Li D et al. An Ebola Virus-Like Particle-Based Reporter System Enables Evaluation of Antiviral Drugs In Vivo under Non-Biosafety Level 4 Conditions. J Virol 90:8720-8 (2016).
2. Simonyan H et al. A synthetic luciferin improves in vivo bioluminescence imaging of gene expression in cardiovascular brain regions. Physiol Genomics 48:762-770 (2016).

Note: This product is for in vitro research use only and is not intended for use in humans or animals.