



## Luciferase Mouse Monoclonal Antibody (2G11)

Cat #: ABM40310

Size: 30µl /100µl /200µl

### Product Information

	<b>Product Name:</b> Luciferase Mouse Monoclonal Antibody (2G11)		
	<b>Applications:</b> WB		<b>Isotype:</b> Mouse IgG1
	<b>Reactivity:</b> Firefly		
<b>REF</b>	<b>Catalog Number:</b> ABM40310	<b>LOT</b>	<b>Lot Number:</b> Refer to product label
	<b>Formulation:</b> Liquid		<b>Concentration:</b> 1 mg/ml
	<b>Storage:</b> Store at -20°C. Avoid repeated freeze / thaw cycles.		<b>Note:</b> Contain sodium azide.

**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<sup>2+</sup> 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.

**Application Notes:** Optimal working dilutions should be determined experimentally by the investigator. Suggested starting dilutions are as follows: WB (1:1000-1:2000).

**Storage Buffer:** PBS containing 50% Glycerol, 0.5% BSA and 0.02% Sodium Azide.

**Storage Instructions:** Stable for one year at -20°C from date of shipment. For maximum recovery of product, centrifuge the original vial after thawing and prior to removing the cap. Aliquot to avoid repeated freezing and thawing.

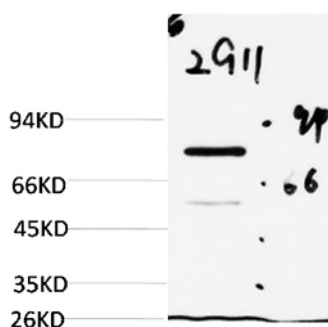


Fig. Western blot analysis of Firefly Luciferase Transfected Hela Cell Lysate using Luciferase Mouse mAb diluted at 1:2000.

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