

## Luciferase Monoclonal Antibody

**catalog number:** E-AB-22231

**Note:** Centrifuge before opening to ensure complete recovery of vial contents.

### Description

<b>Reactivity</b>	Firefly
<b>Immunogen</b>	Synthetic Peptide of Luciferase
<b>Host</b>	Mouse
<b>Isotype</b>	IgG
<b>Clone</b>	2G11
<b>Purification</b>	Protein A purification
<b>Buffer</b>	Phosphate buffered solution, pH 7.4, containing 0.05% stabilizer, 0.5% protein protectant and 50% glycerol.

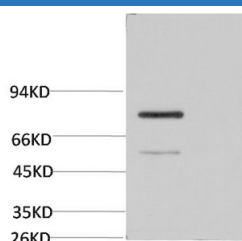
### Applications

**WB**

### Recommended Dilution

1:1000-2000

### Data



Western Blot analysis of Firefly Luciferase Transfected Hela using Luciferase Monoclonal Antibody at dilution of 1:2000.

**Observed-MW:60 kDa**

### Preparation & Storage

<b>Storage</b>	Store at -20°C Valid for 12 months. Avoid freeze / thaw cycles.
<b>Shipping</b>	The product is shipped with ice pack, upon receipt, store it immediately at the temperature recommended.

### 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.

### For Research Use Only