

**Product Name: Firefly Luciferase (7T13) Rabbit Monoclonal Antibody****Catalog #: AMRe10991**

For research use only.

**Summary**

<b>Description</b>	Recombinant rabbit monoclonal antibody
<b>Host</b>	Rabbit
<b>Application</b>	WB, ICC/IF, FC
<b>Reactivity</b>	Other
<b>Conjugation</b>	Unconjugated
<b>Modification</b>	Unmodified
<b>Isotype</b>	IgG
<b>Clonality</b>	Monoclonal
<b>Form</b>	Liquid
<b>Concentration</b>	0.5mg/ml. The concentration of this product may be batch-dependent.
<b>Storage</b>	Aliquot and store at -20°C (valid for 12 months). Avoid freeze/thaw cycles.
<b>Shipping</b>	Ice bags
<b>Buffer</b>	Rabbit IgG in phosphate buffered saline , pH 7.4, 150mM NaCl, 0.02% New type preservative N and 50% glycerol. Store at +4°C short term. Store at -20°C long term. Avoid freeze / thaw cycle.
<b>Purification</b>	Affinity purification

**Application**

<b>Dilution Ratio</b>	WB 1:500-1:2000, ICC/IF 1:200-1:500, FC 1:20-1:50
<b>Molecular Weight</b>	61kDa

**Antigen Information**

<b>Gene Name</b>	LUCI
<b>Alternative Names</b>	Luciferase; Firefly; Luciferin 4 monooxygenase;
<b>Gene ID</b>	
<b>SwissProt ID</b>	P08659
<b>Immunogen</b>	A synthetic peptide of Firefly Luciferase

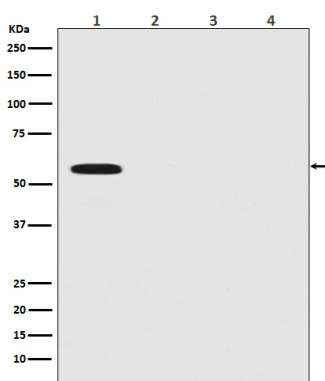
**Background**

Produces green light with a wavelength of 562 nm. 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. Produces green light with a wavelength of 562 nm.

## Research Area

## Image Data



Western blot analysis of Firefly Luciferase Antibody expression in (1) Firefly Luciferase transfected 293T cell lysate; (2) HeLa cell lysate; (3) NIH/3T3 cell lysate; (4) C6 cell lysate.