



All^{le}Balanced Luciferase Assay Kits

A simple reaction system balancing sensitivity and stability to suit most routine Luciferase based gene expression analysis.

All^{le}Balanced Luciferase Assay Kit is a novel formulation for measuring fire fly (*Photinus pyralis*) luciferase gene (*luc*) expressions in mammalian tissue culture cells or in bacteria. Resulting from Allele Biotech's extensive research and development efforts, this brand-new as-say system offers extremely sensitive detection tools for those using *luc* as reporter. It provides a simple reaction system balancing sensitivity and stability to suit most routine Luciferase based gene expression analysis. The kit can be used in low or high throughput applications at a much reduced cost. The AlleleBalanced Luciferase Assay Kit is very easy to ship, store, and use.

Features

High sensitivity, gives more signal than compared leading brands.

Stability, offers maintenance of more than 95% signal level after 3 hours.

Easy to use, simply lyse the cells, mix, and read -Low cost shipping, the reagents are stable for a few days at room temperature, eliminating the need for cold packaging.

Easy storage, -20°C is recommended for long term storage; repeated freezing and thawing will not affect its effectiveness.

Box 1 | Kit Contents

100 reactions ABP-PA-ABLA001		
Bottles	Description	Size
1	Luc Assay (3x)	10ml
1	Lysis Buffer (3x)	10ml

1000 reactions ABP-PA-ABLA011		
Bottles	Description	Size
1	Luc Assay (3x)	100ml
1	Lysis Buffer (3x)	100ml

This kit is suitable for a variety of molecular and cellular studies such as; Enhancer/promoter analysis with *luc* as a reporter gene, enzymatic screening assays, and Control experiments using Luciferase for transgene expression, RNAi.

Each batch of the reagents has been tested for performance and consistency using purified Luciferase and mammalian tissue cells expressing *luc* gene.

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Protocols

Storage: -20°C for 6 Months (With or Without Lysis Buffer)

Temporary Storage: 4°C In Sealed Bottle for 1 Day

1. Cell preparation

For attached or suspension culture cells or bacterial cultures, simply add the same volume of Lysis Buffer to the cells in medium. Attached cells will be dislodged while being lysed.

2. Luc Assay

Add Luc Assay reagent in equal volume to the Lysis Buffer, take reading. The signals may continue to rise slightly during the first 60 min, then stabilize during the next 2 hours, providing excellent time frame for high-throughput assays or long term time course studies.

For Research Use Only. Not for Diagnostic or Therapeutic Use.

Purchase does not include or carry any right to resell or transfer this product either as a stand-alone product or as a component of another product. Any use of this product other than the permitted use without the express written authorization of Allele Biotech is strictly prohibited

Related Products

◇ Protein Storage and Extraction Reagents

- ◆ AlleleExtract-B Protein Reagent
- ◆ AlleleExtract-M Protein Reagent
- ◆ Insect Lysis Buffer: 5x Insect Lysis Buffer (with Protease Inhibitor)

◇ Polyclonal Antibodies

- ◆ Apoptosis, cell surface molecules/GPCRs, cytokines, chemokines, growth factors, genetic disease markers, kinases and phosphatases, neuronal proteins, oncoproteins, proteases, and transcription factors.