

# Certificate of Analysis

## CellSensor® AP1-*bla* A375 cells, 1 Vial



**Combo Kit Part Number:** K1660 denotes cells + documentation

**Part Number:** K1287 Cell Part Number

**Lot Number:** 38634

**Immediate Storage:** Liquid nitrogen or thaw for immediate use.

**Shipping Conditions:** dry ice overnight (or liquid N<sub>2</sub> followed by dry ice overnight)

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### **Description:**

CellSensor® AP1-*bla* A375 cells contain a beta-lactamase reporter gene under control of the AP1 response element stably integrated into A375 cells. A375 cells are human melanoma cancer cells that contain the endogenous B-Raf mutation V600E resulting in constitutive B-Raf kinase activity.

**Quantity of Cells:** ~ 2,000,000 cells/vial at 2,000,000 cells/mL

### **Harvest Density:**

This lot of cells was harvested at a density of 54,000 cells/cm<sup>2</sup> for the functional QC testing. A similar harvest density is recommended for your experiments.

**Passage Number:** 9

**Cell Phenotype:** Epithelial

**Growth Properties:** Adherent

**Antibiotic Selection:** Blasticidin, 5 µg/mL

### **Storage and Handling:**

After shipment either thaw for immediate use or store in liquid nitrogen. **Cells stored for more than 1 day at -80°C quickly lose viability.** If properly banked, cells are guaranteed for six months in liquid nitrogen.

### **Storage Buffer:**

Recovery™ Cell Culture Freezing Medium (Invitrogen #12648-010).

**Biosafety Level:** 1

### **Seeding Density:**

The seeding density for CellSensor® AP1-*bla* A375 cells is not available.

### **Instrument Settings:**

The CellSensor® AP1-*bla* A375 cells requires a fluorescence plate reader capable of doing FRET and filters in the **excitation filter at 360 nm and an emission filter at 485 nm** range. When used with the LiveBLAzer™ or ToxBLAzer™ substrate an instrument capable of bottom reads is required. For instrument specific set-up information go to [www.invitrogen.com/instrumentsetup](http://www.invitrogen.com/instrumentsetup).

### **Protocol or Product Information Sheet:**

Visit [www.lifetechnologies.com](http://www.lifetechnologies.com), search on the cell or kit part number and select manuals.

## QUALITY ASSURANCE

### Lot Specific Testing

**Mycoplasma:** Negative

### Functional Testing:

Each lot of the CellSensor® AP1-*bla* A375 cells is tested for performance using the LiveBLAzer™ substrate. **Pass**

Nicole Jokl, QA Engineer

Date: 01/Jul/2013

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LiveBLAzer™ is a trademark of Life Technologies Corporation.

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For Research Use Only. Not for use in diagnostic procedures.

For questions, please contact our Technical Support Team

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