**Product datasheet**

**Alkaline Phosphatase Assay Kit (Luminometric) ab233466**

1 Image

### Overview

**Product name**  
Alkaline Phosphatase Assay Kit (Luminometric)

**Detection method**  
Luminescent

**Sample type**  
Adherent cells, Suspension cells

**Assay type**  
Quantitative

**Product overview**  
Alkaline Phosphatase Assay Kit (ab233466) uses D-luciferin phosphate as the luminogenic phosphatase substrate to quantify alkaline phosphatase activity in solutions and cells. D-luciferin phosphate is not recognized by luciferase until its phosphate group is removed to give luciferin. This kit provides all the essential components with an optimized assay protocol which is compatible with HTS liquid-handling instruments. The assay can be readily performed in a 96-well or 384-well microtiter-plate format and easily adapted to automation without a separation step. The high sensitivity makes the kit ideal for the assays that require low detection limit.

**Platform**  
Microplate reader

### Properties

**Storage instructions**  
Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>100 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>Alkaline Phosphatase Standard</td>
<td>1 vial</td>
</tr>
<tr>
<td>Assay Buffer</td>
<td>1 x 5ml</td>
</tr>
<tr>
<td>Phosphatase Substrate</td>
<td>1 vial</td>
</tr>
<tr>
<td>Reaction Buffer</td>
<td>1 x 5ml</td>
</tr>
</tbody>
</table>

**Sequence similarities**  
Belongs to the alkaline phosphatase family.

**Cellular localization**  
Cell membrane.
Alkaline phosphatase dose response was measured with Alkaline Phosphatase Assay Kit (Luminometric) (ab233466) in a solid white 96-well plate using a NovoStar microplate reader (BMG Labtech). As low as 0.001 mU/mL alkaline phosphatase can be detected with 20 minutes incubation (n=3).

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