**Product datasheet**

## DNMT1 Assay Kit ab113469

★★★★☆ 1 Abreviews  3 References  1 Image

### Overview

**Product name**  DNMT1 Assay Kit  
**Sample type**  Tissue Extracts, Cell Lysate  
**Assay type**  Enzyme activity (quantitative)  
**Assay time**  3h 00m  
**Species reactivity**  Reacts with: Mouse, Human  
**Predicted to work with:** Mammals

**Product overview**

DNMT1 (DNA (cytosine-5)-methyltransferase 1) belongs to the DNMT family, responsible for methylation of CpG islands in the genome. DNMT1 preferably methylates cytosines located in hemimethylated DNA and it associates with DNA replication sites in S-phase.

DNMT1 Assay Kit (ab113469) allows the user to quickly and consistently measure the amount of DNMT1. The kit is ready-to-use and provides all the essential components needed to carry out a successful DNMT1 assay experiment without the need for electrophoresis and transfer process. ab113469 is suitable for measuring DNMT amounts quantitatively from fresh tissue and cultured cells of human and mouse.

**Platform**  Microplate reader

### Properties

**Storage instructions**

Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>96 tests</th>
<th>48 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>10X Wash Buffer</td>
<td>1 x 28ml</td>
<td>1 x 14ml</td>
</tr>
<tr>
<td>8-Well Assay Strips (with Frame)</td>
<td>12 units</td>
<td>6 units</td>
</tr>
<tr>
<td>Capture Antibody, 500 µg/mL</td>
<td>1 x 16µl</td>
<td>1 x 8µl</td>
</tr>
<tr>
<td>Assay Buffer</td>
<td>1 x 10ml</td>
<td>1 x 5ml</td>
</tr>
<tr>
<td>Blocking Buffer</td>
<td>1 x 20ml</td>
<td>1 x 10ml</td>
</tr>
<tr>
<td>Detection Antibody, 200 µg/mL</td>
<td>1 x 20µl</td>
<td>1 x 10µl</td>
</tr>
</tbody>
</table>
Nuclear extracts were prepared from MCF-7 cells using the Nuclear Extraction Kit (ab113474) and DNMT1 activity was measured using ab113469. DNMT3A and DNMT3B activities were measured using ab113470 DNMT3A Assay Kit and ab113471 EpiSeeker DNMT3B Assay Kit.

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