Secretory Phospholipase A2 Assay Kit

**Product Overview**

Secretory Phospholipase A2 Assay Kit (ab133089) provides an accurate and convenient method for measurement of secretory PLA2 (sPLA2) activity. This assay uses the 1,2-dithio analog of diheptanoyl phosphatidylcholine which serves as a substrate for most PLA2s (e.g., bee and cobra venoms, pancreatic, etc.) with the exception of cytosolic PLA2. Upon hydrolysis of the thio ester bond at the sn-2 position by PLA2, free thiols are detected using DTNB (5,5'-dithio-bis-(2-nitrobenzoic acid)).

If you want to detect cytosolic PLA2, we recommend using Cytosolic Phospholipase A2 Assay Kit (ab133090).

**Properties**

**Storage instructions**

Store at -20°C. Please refer to protocols.

<table>
<thead>
<tr>
<th>Components</th>
<th>96 tests</th>
</tr>
</thead>
<tbody>
<tr>
<td>96-Well Plate (Colorimetric Assay)</td>
<td>1 x 96 tests</td>
</tr>
<tr>
<td>96-Well Plate Cover</td>
<td>1 unit</td>
</tr>
<tr>
<td>Bee venom PLA2 Control</td>
<td>1 vial</td>
</tr>
<tr>
<td>sPLA2 Assay Buffer (10X)</td>
<td>1 vial</td>
</tr>
<tr>
<td>sPLA2 Diheptanoyl Thio-PC (Substrate)</td>
<td>2 vials</td>
</tr>
<tr>
<td>sPLA2 DTNB</td>
<td>4 vials</td>
</tr>
</tbody>
</table>

**Function**

Thought to participate in the regulation of the phospholipid metabolism in biomembranes including eicosanoid biosynthesis. Catalyzes the calcium-dependent hydrolysis of the 2-acyl...
Sequence similarities: Belongs to the phospholipase A2 family.

Cellular localization: Membrane.

Absorbance times for bee venom, snake venom, human synovial, and bovine pancreas PLA$_2$s.

Please note: All products are "FOR RESEARCH USE ONLY AND ARE NOT INTENDED FOR DIAGNOSTIC OR THERAPEUTIC USE".

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