$sPLA_2$ activity kit

The $sPLA_2$ activity kit is a higher throughput assay for the quantification of up to 42 samples in duplicate per 96 well kit. This kit provides safe, sensitive, and reliable results in under an hour.

Secretory Phospholipase A2s ($sPLA_2$s) are a group of related enzymes that upon activation, cleave an acyl ester bond in the sn-2 position in glycerophospholipid. These are extracellular enzymes that have high disulfide bond content, low molecular mass (14KDa), and require mM levels of Ca^+ for catalysis. $sPLA_2$ enzymes play a crucial role in the generation of arachidonic acid, which is further metabolized to proinflammatory eicosanoids.

Citations: 2 View Online »

Ordering Information

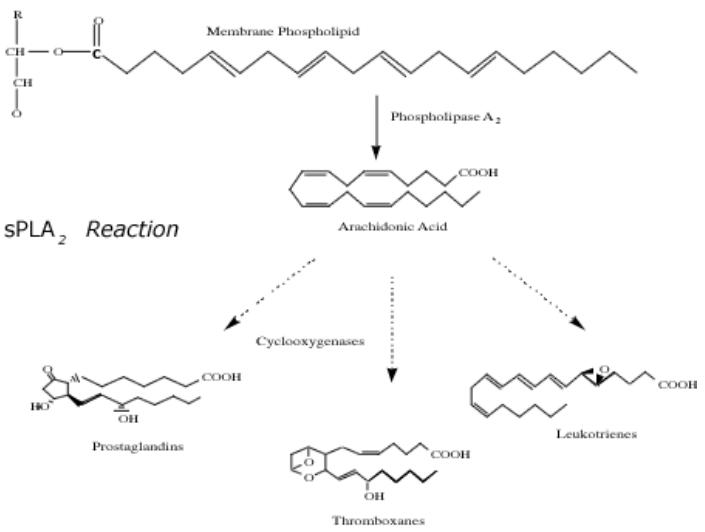
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ADI-907-002	96 wells

Manuals, SDS & CofA

View Online »

- Higher throughput - assay up to 42 samples in duplicate per 96 well kit
- Sensitive - detect < 3 U/ml
- Fast - results in just 40 minutes!


R
CH
O
CH
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C
Membrane Phospholipid
Phospholipase A 2
COOH
Arachidonic Acid
sPLA2 Reaction
Cyclooxygenases
COOH
HO
OH
Prostaglandins
O
COOH
Leukotrienes
O
O
COOH
OH
Thromboxanes

Handling & Storage

Use/Stability	Store all components 4°C, except Substrate at -20°C.
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Secretory phospholipase A2
Application	Activity assay, Colorimetric detection
Application Notes	For the quantitative determination of $sPLA_2$ in culture supernatants, cell lysates, and buffers from any species.
Compatibility	This product is compatible with the **Absorbance 96 Plate Reader**.
Contents	Microtiter plate, Standard, Reaction buffer concentrate, Substrate, Stop reagent, Color reagent
Sensitivity	2.34 Units/ml (range 5 – 80 Units/mL)

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