

## Anti-h Lp-PLA2 11205 SPTN-5

### Product overview

---

<b>Catalog number</b>	100818
<b>Specificity</b>	Antibody recognizes human lipoprotein-associated phospholipase A2
<b>Description</b>	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
<b>Product buffer solution</b>	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative
<b>Shelf life and storage</b>	24 months from manufacturing at 2–8 °C
<b>Subclass</b>	IgG <sub>1</sub>
<b>Analyte description</b>	Lipoprotein-associated phospholipase A2 (Lp-PLA2) also known as platelet-activating factor acetylhydrolase (PAF-AH) is an enzyme involved in atherosclerosis related vascular inflammation. Increased Lp-PLA2 mass and activity are prognostic biomarkers for cardiovascular disease (CVD) including coronary heart disease and ischemic stroke.

### Parameters tested on each lot

---

<b>Product appearance</b>	Liquid, may turn slightly opaque during storage
<b>Product concentration</b>	5.0 mg/ml (+/-10 %)
<b>Immunoreactivity</b>	80–120 % compared to the reference sample in an FIA test
<b>IEF Profile</b>	6.1–7.2
<b>Purity</b>	≥ 95 %

### Kinetic parameters

---

<b>Association rate constant</b>	$1.8 \times 10^6$ 1/Ms
<b>Dissociation rate constant</b>	$3.0 \times 10^{-5}$ 1/s
<b>Affinity constant</b>	$K_A = 5.9 \times 10^{10}$ 1/M; $K_D = 3.1 \times 10^{-11}$ M (= 0.03 nM)
<b>Determination method</b>	BLI (Octet RED96e)
<b>Determination antigen</b>	Lipoprotein-associated Phospholipase A2, Medix Biochemica (Cat 400-60)



#### Legal disclaimer

**Cross-reactivities** N/D

**Epitope** N/D

**Pair recommendations**

		DETECTION			
		11202	11205	11207	11209
CAPTURE	11202	-	+	+	+
	11205	+	-	+	+
	11207	+	+	-	-
	11209	+	+	-	-

Please note that pair recommendations are based on results obtained by our laboratory. Equally good results may be obtained using other pairs and therefore these recommendations are only indicative.

**Platforms tested** FIA

**Antigens tested** Recombinant Lipoprotein-associated Phospholipase A2 (Lp-PLA2) antigen, Medix Biochemica 400-60.

Product stability	TEMPERATURE, TIME	RESULT
	-70 °C, 21 days	OK
	-20 °C, 21 days	OK
	+4 °C, 21 days	OK
	+35 °C, 21 days	OK
	+45 °C, 7 days	OK

Stability testing is performed in the product buffer to see whether different temperatures affect the antigen binding, charge or composition of the antibody. Please note that the shelf life given on the first page is based on real time stability testing at 2–8 °C in the product buffer.

**Miscellaneous** Casein is recommended to be used in blocking buffer instead of BSA.

**References** -



**Legal disclaimer**