

Anti-h Lp-PLA2 11207 SPTN-5

Product overview

Catalog number	100753
Specificity	Antibody recognizes human lipoprotein-associated phospholipase A2
Description	Monoclonal mouse antibody, cultured <i>in vitro</i> under conditions free from animal-derived components.
Product buffer solution	50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN ₃ as a preservative
Shelf life and storage	18 months from manufacturing at 2–8 °C
Subclass	IgG ₁
Analyte description	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

Product appearance	Liquid, may turn slightly opaque during storage
Product concentration	5.0 mg/ml (+/- 10 %)
Immunoreactivity	80–120 % compared to the reference sample in an FIA test
IEF Profile	6.0–6.8
Purity	≥ 95 %

Kinetic parameters

Association rate constant	6.9×10^6 1/Ms
Dissociation rate constant	4.1×10^{-5} 1/s
Affinity constant	$K_A = 1.7 \times 10^{11}$ 1/M; $K_D = 4.8 \times 10^{-12}$ M (= 0.005 nM)
Determination method	BLI (Octet RED96e)
Determination antigen	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