

## Product specifications

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|                         |  |
|-------------------------|--|
| Name                    | Anti-h Lp-PLA2 11209 SPTN-5  |
| 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 code            | 100755   |
| Product buffer solution | 50 mM Na-citrate, pH 6.0, 0.9 % NaCl, 0.095 % NaN <sub>3</sub> as a preservative   |
| Shelf life and storage  | Unspecified, storage at 2–8 °C   |
| Subclass                | IgG <sub>1</sub>   |
| 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

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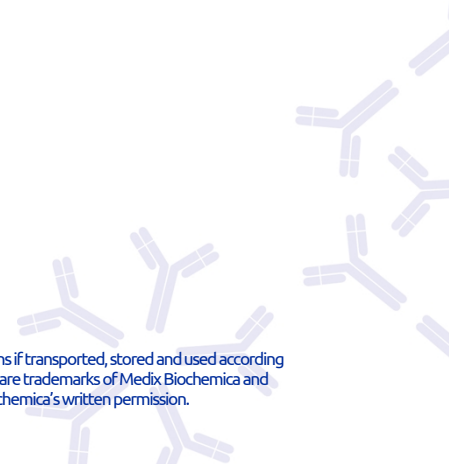
|                       |  |
|-----------------------|--|
| Product appearance    | Liquid, may turn slightly opaque during storage          |
| Product concentration | 5.0 mg/ml (+/- 10 %)                                     |
| Immunoreactivity      | 80–120 % compared to the reference sample in an FIA test |
| IEF Profile           | 6.5–7.0  |
| Purity                | ≥ 95 %   |

## Kinetic parameters

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|                            |                      |
|----------------------------|----------------------|
| Association rate constant  | Not Determined (N/D) |
| Dissociation rate constant | N/D                  |
| Affinity constant          | N/D                  |
| Determination method       | -                    |
| Determination antigen      | -                    |

### 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 Lp-PLA2 antigen Lee Biosolutions 400-60.

| 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 -

