

Phospholipase-2 Antibodies

Synonyms

PLA2 Receptor antibodies, Anti-phospholipase-2 antibodies, PLA2R, APLA

Clinical Indication

Primary (idiopathic) membranous nephropathy
 It is essential to provide relevant clinical information.

Part of Profile / See Also

Request Form

Combined Pathology manual blood request form or ICE request

Availability / Frequency of Analysis

Referred test: Analysed by Immunology, Bart's and the Royal London Hospital
[8285](#)

Turnaround Time

3 weeks

Patient Preparation

None required

Sample Requirements

Please note a separate sample is required when Immunology tests are requested in addition to Biochemistry tests

Specimen Type

Serum

Volume

7 ml

Container



Yellow top (SST) tube.



Paediatric Yellow top (SST) tube

Samples should be transported to the laboratory as soon as is practicably possible.

Reference Range & Units

Normal = <14 kU/L

Interferences

Interpretation & Clinical

Decision Value (if applicable)

PLA2R antibodies have a role in distinguishing idiopathic and secondary membranous nephropathy – they have been found in 52-82% of patients with idiopathic membranous nephropathy but only in 5-25% of patients with secondary membranous nephropathy.

PLA2R antibodies are strongly associated with disease activity and have been shown to be markers to monitor patient response to immune suppression. Values can fall to normal ranges 3-6 months before there are clinical signs of remission.

Spontaneous remission occurs less frequently in those with high antibody values.

References

<https://sheffieldlaboratorymedicine.nhs.uk/search-test.php?search=3362>

Emily P McQuarrie; Anti-phospholipase A2 receptor antibodies in primary membranous nephropathy—10 key points, *Nephrology Dialysis Transplantation*, Volume 33, Issue 2, 1 February 2018, Pages 212–213

Jullien, Perrine et al. "Anti-phospholipase A2 receptor antibody levels at diagnosis predicts spontaneous remission of idiopathic membranous nephropathy" *Clinical kidney journal* vol. 10,2 (2017): 209-214.

Test code

APLA

Lab Handling

Aliquot and store at 4-8°C prior to testing and at -20°C or below for up to 1 month after receipt.

