

THE AGA KHAN UNIVERSITY HOSPITAL CLINICAL LABORATORIES

UPDATE ANTI PHOSPHOLIPASE A2 RECEPTORS ANTIBODIES

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Introduction:

Autoantibodies of class IgG against Phospholipase A2 Receptors (PLA2R) are highly specific for the diagnosis of primary membranous glomerulonephritis and can be detected in the serum of up to 70-75% of patients. Furthermore, PLA2R correlates well with disease activity and progression. In conjunction with other laboratory tests and clinical assessment, the PLA2R autoantibody titers also have a predictive value with respect to clinical remission, relapse, or recurrence after kidney transplantation.

Principle:

The test is performed by Enzyme Linked Immunosorbent Assay (ELISA).

Specimen collection:

For analysis 3-5cc clotted blood or serum is required.

Reference Cutoff:

0-13 RU/ml:	Negative
14-19 RU/ml:	Borderline
≥20 RU/ml:	Positive

Schedule: Test is performed on first Saturday of the month and reported after two days.