



# Beta-2 Glycoprotein Antibodies (IgG/IgM)

UPDATE NO. 03, VOL: XXIX, 2023

*The information contained in this flyer is intended for healthcare professionals.*

February 2023

## WHAT'S NEW

The clinical laboratory is initiating Beta-2 glycoprotein IgG/IgM antibodies testing, one of the primary antiphospholipid antibodies that helps in the diagnosis of Antiphospholipid Antibody Syndrome (APS). The other two antibodies for APS diagnosis include Anticardiolipin antibodies (IgG/IgM) and Lupus Anticoagulant. These antibodies are associated with inappropriate blood clotting. Beta-2 glycoprotein antibodies must be detected on 2 or more occasions at least 12 weeks apart to fulfill the laboratory diagnostic criteria for APS.

APS panel may also be requested, which will include:

- Beta-2 Glycoprotein (IgG & IgM)
- ACA (IgG & IgM)
- Lupus Anticoagulant

## INTRODUCTION:

Beta-2 glycoprotein is a polypeptide synthesized mainly by hepatocytes. Elevated levels of Beta-2 glycoprotein antibodies, occur in patients with APS.

The classification criteria for definite APS requires presence of at least one clinical and one laboratory parameter. The clinical criteria include vascular thrombosis (arterial or venous in any organ or tissue) and pregnancy morbidity (unexplained fetal death, premature birth, severe preeclampsia, or placental insufficiency).

## INTENT OF USE:

This test is used for evaluation of patients with suspected APS.

## IMPORTANT NOTE:

- Detection of Beta-2 glycoprotein IgG/IgM antibodies is not affected by anticoagulant treatment.
- Patients with systemic lupus erythematosus, are more likely to have Beta-2 glycoprotein antibodies.

## PRINCIPLE:

Enzyme linked immunosorbent assay (ELISA)

## SPECIMEN TYPE:

3-5 cc clotted blood or 2-3 cc serum

## CHARGES:

Beta-2 Glycoprotein IgM –Rs.2800.00

Beta-2 Glycoprotein IgG –Rs.2800.00

\*Revisions may apply

## SCHEDULE:

The test is performed on 2<sup>nd</sup> and 4<sup>th</sup> Tuesday every month and reported the next day.

For more information please call: 021 3486 1620  
or Email: [laboratory@aku.edu](mailto:laboratory@aku.edu)

