



## ZYMUTEST ACA/APA & ZYMUTEST Anti-B2GPI

Ref ARK029A (IgG) / ARK029B (IgM) Ref ARK014A (IgG) / ARK014B (IgM)

# New Assays for Anti-Cardiolipin/Anti-Phospholipid (ACA/APA) and Anti-B2GPI Antibodies



### ACA / APA and Anti-β2GPI antibodies

#### Capture antigens

Actually ACA/APA are targeted to β2GPI-anionic phospholipid complexes, exposing the cryptic epitopes of β2GPI: whether the anionic phospholipids used (PS, cardiolipin, phosphatidic acid, etc...), antibodies bind to complexes of anionic phospholipids and β2GPI. The different reactivities between available assays mainly objectivate the capacity of the coated anionic phospholipids used to bind β2GPI, which is frequently empirically supplied by the diluent (animal serum) or by the tested specimen itself.

ZYMUTEST ACA/APA kits use a synthetic anionic phospholipid (cardiolipin), non oxidized, complexed with an optimized concentration of fully active human β2GPI, as capture antigen.

ZYMUTEST Anti-B2GPI uses a highly purified, non denatured, human β2GPI as capture antigen.

#### Clinical applications

Antiphospholipid syndrome (APS), thrombotic diseases, recurrent abortions.

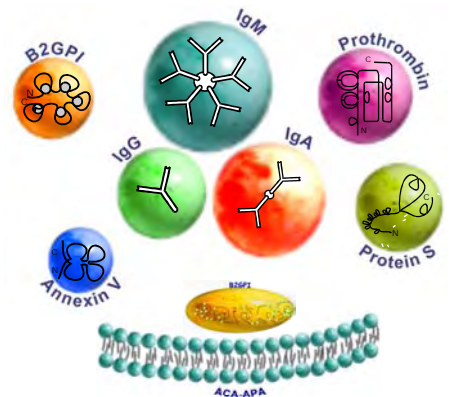
Follow-up of disease evolution associated with the time of exposure to antibodies, the IgG isotype, ACA/APA concentration and affinity.

Follow-up of patients with APS.

#### Assay characteristics

Highly sensitive and specific assays, measuring specifically the β2GPI dependent Anti-Cardiolipin/Anti-Phospholipid Antibodies or the anti- β2GPI antibodies, which allows obtaining a higher clinical significance.

The right solution to the laboratory issues in testing phospholipid dependent antibodies



- High specificity (only the "true specific" antibodies are measured)
- High sensitivity
- Optimal discrimination between normal and pathological specimen
- Low background
- Reliable definition of cut-off value, stable from run to run and from lot to lot
- Full reproducibility from lot to lot thanks to the use of standardized, humanised antibodies for calibration
- Control included



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Form AH21  
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# Enzyme immunoassays for the detection of phospholipid dependent antibodies and to their cofactors



**Highly purified h-β2GPI for coating**

**Two site ELISAs**

**Quality Control included**

**Ready to use, complete and disposable kits**

**For in vitro diagnostic use (CE)**

**Calibration with standardized, humanized Abs**

**In compliance with present scientific understandings**

## **Other related products (RUO\*)**

ZYMUTEST ACA/APA (IgA) - ARK029C

ZYMUTEST Anti-B2GPI (IgA) - ARK014C

ZYMUTEST Anti-Annexin V (IgG/IgM)  
ARK005A/**ARK005B**

ZYMUTEST Anti-Prothrombin (IgG/IgM)  
ARK007A/**ARK007B**

ZYMUTEST Anti-Protein S (IgG/IgM)  
ARK020A/**ARK020B**

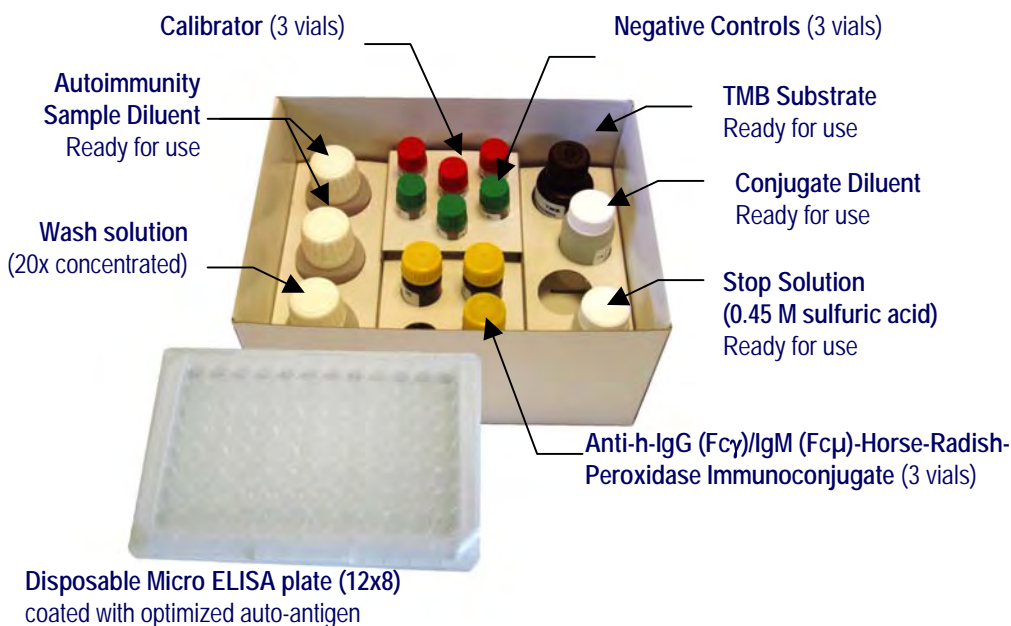
ZYMUTEST Anti-Protein Z (IgG/IgM)  
ARK025A/**ARK025B**

ZYMUTEST Anti-Protein C (IgG/IgM)  
ARK026A/**ARK026B**

## ZYMUTEST ACA/APA (Ref ARK029A(IgG) or ARK029B(IgM))

### ZYMUTEST Anti-B2GPI Ref ARK014A(IgG) or ARK014B(IgM)

#### Kit presentation



#### Assay characteristics

- Total assay time: 1 hr 15 min
- Normal ranges: (ACA/APA) ≤ 5 GPL  
≤ 3 MPL  
(Anti-β2GPI) ≤ 10 AU\*
- Plasma or serum tested at 1:100 dilution
- Detection threshold: <1 ng/ml
- Intra-assay CV: 3 to 6%
- Inter-assay CV: 4 to 8%
- Calibration with humanized Abs

\*AU= Arbitrary Unit (Mean + 2SD = 10 AU)

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\*RUO = Research Use Only