

# Identify antiphospholipid syndrome (APS) with EliA APS tests

## Testing for APS associated antibodies according to classification criteria<sup>1</sup>

- Determination of anti-cardiolipin IgG and IgM antibodies
- Determination of anti-β2-glycoprotein I IgG and IgM antibodies
- Use of consensus cut-off for anti-cardiolipin antibodies

## High clinical relevance of EliA Cardiolipin IgG/M and EliA β2-Glycoprotein I IgG/M test

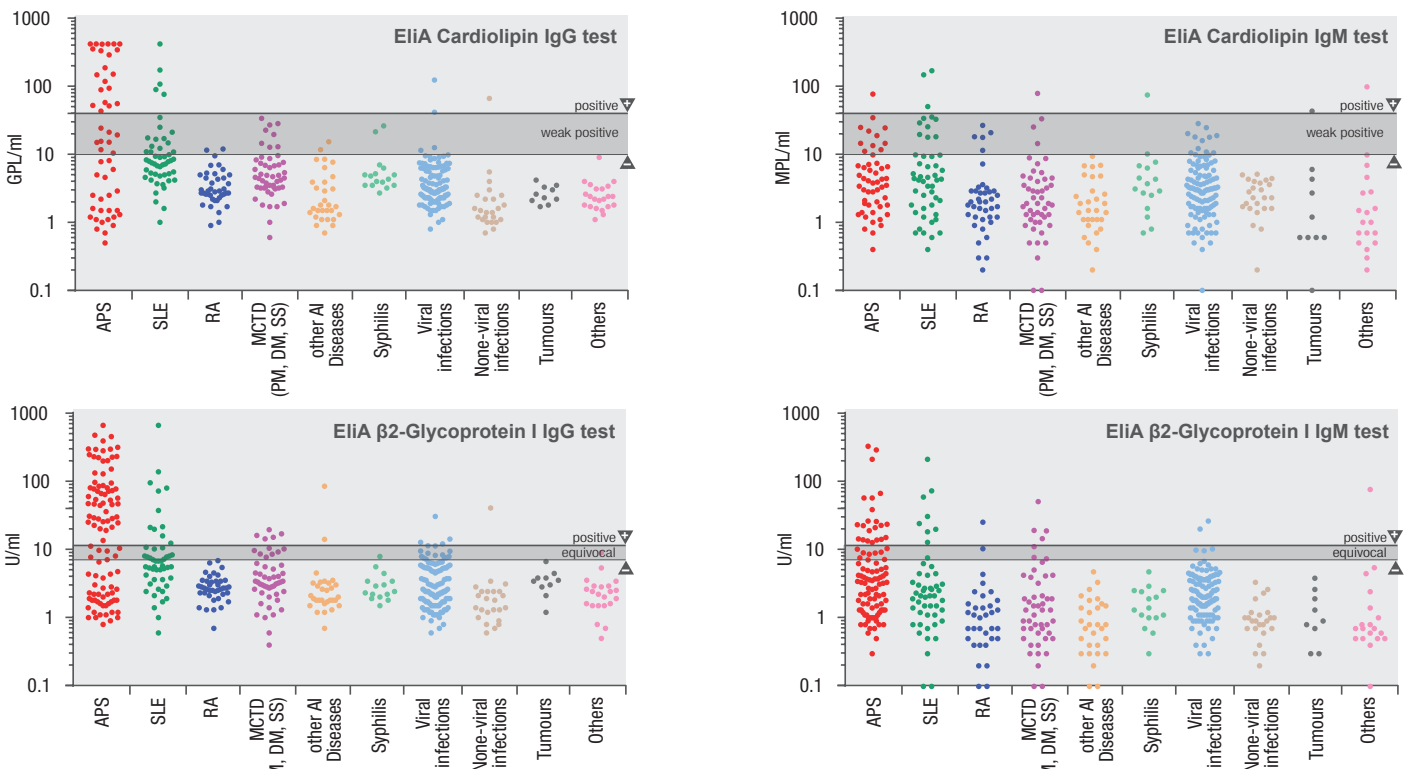


Fig.1: EliA Cardiolipin IgG/M and EliA β2-Glycoprotein I IgG/M test in various clinical cohorts (internal study)

The fully automated EliA™ APS tests provide objective and reliable diagnostic guidance. Their reasonable sensitivity and excellent specificity for EliA APS tests assure high clinical values in different clinical settings<sup>2</sup>. In addition, EliA APS tests can be run on all Phadia™ Laboratory Systems which maximize the flexibility and offer tailor-made solutions for various sizes of laboratories.

	EliA™ Cardio-lipin IgG test	EliA™ Cardio-lipin IgM test	EliA™ Cardio-lipin IgA test	EliA™ β2-Glyco-protein I IgG test	EliA™ β2-Glyco-protein I IgM test	EliA™ β2-Glyco-protein I IgA test
Sensitivity (%)	43	30	7	59	24	44
Specificity (%)	99	92	99	96	96	96.5

Table 1: Clinical performance of EliA Cardiolipin IgA, IgM and IgA test and EliA β2-Glycoprotein I IgG, IgM and IgA test.

## EliA APS tests: Improved lab analysis and diagnostics

### Test completely automated and efficient

Serum or plasma samples are processed automatically by Phadia Laboratory Systems by reducing the workload for your lab personnel. Operational costs are minimized and planning simplified– leading to an optimized workflow!

### Your advantages with EliA Cardiolipin IgA, IgM and IgA test and EliA $\beta$ 2-Glycoprotein I IgG, IgM and IgA test:\*

- Excellent performance supporting the diagnosis of APS
- High level of standardization
- Completely automated and efficient testing
- Reducing workload for your lab personnel

\* Isolated elevation of IgA anti-cardiolipin and anti- $\beta$ 2-GPI antibodies can occur in APS patients<sup>3</sup>. The more markers / isotypes are found positive, the higher the probability for APS<sup>1</sup>. Internal study shows that the test sensitivity and specificity of EliA Cardiolipin IgA test are 21% and 98.5%, for EliA  $\beta$ 2-Glycoprotein I IgA test are 44% and 96.5%, respectively.

**EliA Cardiolipin IgA, IgM and IgA test and EliA  $\beta$ 2-Glycoprotein I IgG, IgM and IgA test assist you to improve service quality: fully automated testing for specific markers for antiphospholipid syndrome.**

### Technical data

	EliA Cardio-lipin IgG test	EliA Cardio-lipin IgM test	EliA Cardio-lipin IgA test	EliA $\beta$ 2-Glyco-protein I IgG test	EliA $\beta$ 2-Glyco-protein I IgM test	EliA $\beta$ 2-Glyco-protein I IgA test
<b>Antigen</b>	bovine Cardiolipin, with bovine $\beta$ 2-GPI	bovine Cardiolipin, with bovine $\beta$ 2-GPI	bovine Cardiolipin, with bovine $\beta$ 2-GPI	purified human $\beta$ 2-GPI	purified human $\beta$ 2-GPI	purified human $\beta$ 2-GPI
<b>Kit Size</b>	4 x 12	4 x 12	2 x 12	4 x 12	4 x 12	2 x 12
<b>Unit</b>	GPL-U/ml	MPL-U/ml	APL-U/ml	U/ml	U/ml	U/ml
<b>Negative</b>	< 10	< 10	< 14	< 7	< 7	< 7
<b>Equivocal</b>	10–40 (weak positive)	10–40 (weak positive)	14–20	7–10	7–10	7–10
<b>Positive</b>	> 40	> 40	> 20	> 10	> 10	> 10
<b>Dilution</b>	1:10	1:10	1:10	1:10	1:50	1:10
<b>Article No.</b>	14-5529-01	14-5530-01	14-5528-01	14-5532-01	14-5533-01	14-5531-01

### References

1. Miyakis, S. et al. International consensus statement on an update of the classification criteria for definite antiphospholipid syndrome (APS). J Thromb Haemost 4, 295-306, doi:10.1111/j.1538-7836.2006.01753.x (2006).
2. jieda, Y. et al. [Clinical significance of antiphospholipid antibody measured by EliA anticardiolipin antibodies and anti-beta2Glycoprotein I antibodies in antiphospholipid syndrome]. Nihon Rinsho Meneki Gakkai Kaishi 37, 430-436, doi:10.21777/jsci.37.430 (2014).
3. Lakos, G. et al. Isotype distribution and clinical relevance of anti-beta2-glycoprotein I (beta2-GPI) antibodies: importance of IgA isotype. Clin Exp Immunol 117, 574-579 (1999).

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