

Clinical test: Stimulating own immunity (S-IgA)

Test periods

Jan. 24,2009-May 16, 2009

Test subjects

Adult Age 30-59 male and female (N=26)

Test item

Double-blind placebo-controlled trial

Measurement of S-IgA in saliva

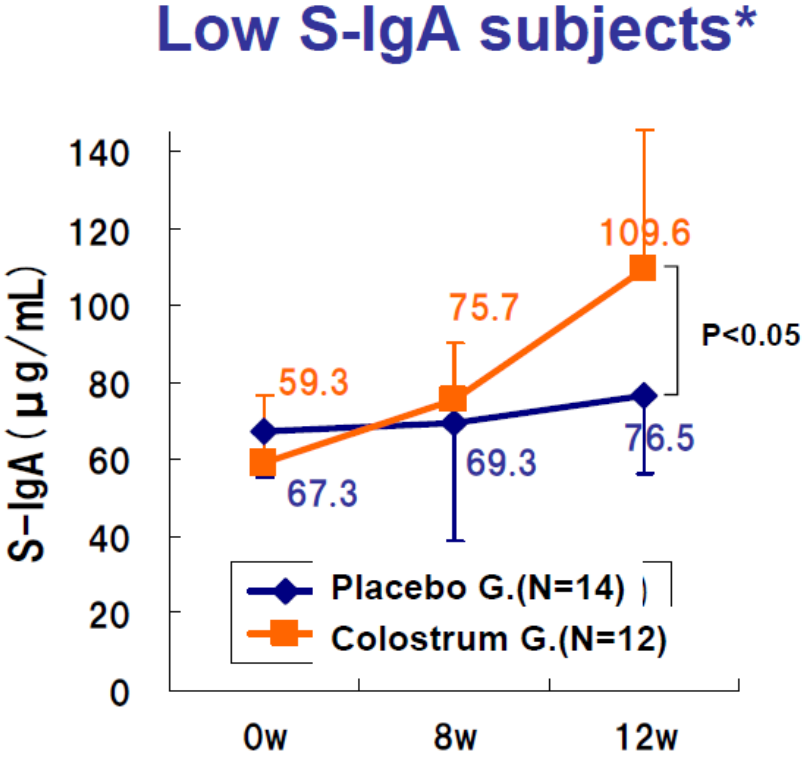
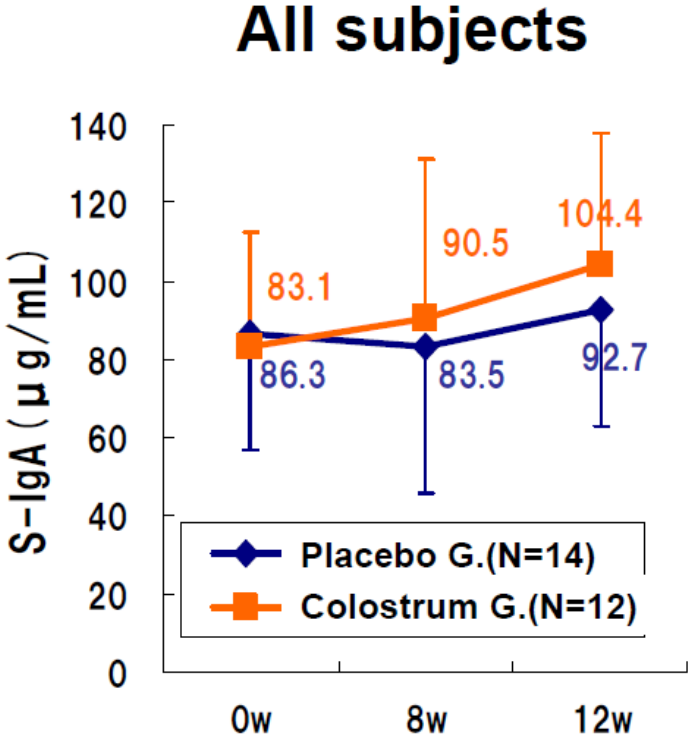
Test product

Tablets contain Colostrum (APS45-10) or Skim milk powder

Colostrum group : 1000 mg APS45-10/day

Placebo group : 1000 mg Skim milk powder/day

Clinical test: Stimulating own immunity (S-IgA)



***: Low S-IgA subjects**
At 0W, the level of S-IgA was lower than 84.7 µg/ml
(84.7 µg/ml is average of all subject at 0W)

Paper presented at The 14th Symposium of Adult Disease Countermeasure Society 2009 and Symposium of Japanese Society for Medical Use of Functional Foods 2009.

Results

Graph 1 – adults with initial average levels of S-IgA of 84.7 mcg/ml

Taking 1000 mg of APS 45-10 colostrum daily the S-IgA levels in adults increased by 25.6%*. (N=12)

$$*((104.4-83.3)/83.1) \times 100 = 25.6\%$$

Taking placebo the S-IgA levels in adults only increased by 7.4%*. (N=14)

$$*((92.7-86.3)/86.3) \times 100 = 7.4\%$$

Graph 2 – adults with initial S-IgA levels lower than 84.7 mcg/ml

Taking 1000 mg of APS 45-10 colostrum daily the S-IgA levels in adults increased by 84.8%*. (N=12)

$$*((109.6-59.3)/59.3) \times 100 = 84.8\%$$

Taking placebo the S-IgA levels in adults increased by 13.7%*. (N=14)

$$*((76.5-67.3)/67.3) \times 100 = 13.7\%$$

Paper presented at The 14th Symposium of Adult Disease Countermeasure Society 2009 and Symposium of Japanese Society for Medical Use of Functional Foods 2009.

Conclusions

Taking APS45-10 colostrum has been more effective in elevating S-IgA levels in adults compared to placebo.

Taking APS45-10 colostrum the S-IgA levels were significantly higher in adults with a compromised immune system (with initial S-IgA levels lower than 84.7 mcg/ml) compared to adults with an average levels of S-IgA of 84.7 mcg/ml.

The active ingredient in Colostrum are Proline-rich Polypeptides (PRPs), these work as an immune-modulator, bringing the immune system in a homeostatic balance.

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