

## **CLINICAL SPECIFICATIONS**

## **ALMOND**

**Antigen Made From:** 

**Associated With:** 

Raw Almonds

Almond immune reactivity

**Known Cross-Reactions:** Anti-B. burgdorferi antibodies, anti-EBV early antigen IgG; 1 Thyroxine (T4);2 Peanut, Brazil Nut;<sup>3</sup> Pistachio, Cashew, Walnut, Pecan<sup>4</sup>

## **Clinical Significance:**

One hundred grams of almonds contain 21.1% protein. 5 Studies on food immune reactivities predominantly use raw food antigens. However, some researchers have noted that heating or combining food proteins can change their antigenicity. 6-8

This array tests for IgG and IgA food immune reactivity. 9.10 Equivocal or out-of-range results indicate antibody reactivity to the tested food antigen. We tested 288 blood donor sera against almond antigens at optimal dilution, 19.8% of these donors were IgG and IgA reactive.

Due to cross-reactivity, possible connections between food antigens and human autoimmunity has been previously suggested because proteins in nature can have a similarity in sequence and structure to certain human tissues. 11-14

Data suggests that eliminating foods identified using IgG antibody food testing can play a role in improvement of symptoms. <sup>15</sup> Because certain food components can lead to gut flora changes and gut permeability, eliminating specified food antigens should result in the reduction of antigenic stimuli and the improvement of symptoms. <sup>15,16</sup>

The results of this food array may be used to develop and implement an immune targeted dietary plan, which includes the avoidance of triggering and known cross-reactive foods. Furthermore, when followed over time, avoidance/prevention treatment plans tailored and supervised by the ordering healthcare professional, may help: (a) repair the gut barrier; and (b) re-establish oral tolerance to the offending food. 15.16

## **References:**

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