

## CLINICAL SPECIFICATIONS

### ALPHA + BETA CASEIN

#### Antigen Made From:

Alpha-Casein and Beta-Casein purchased from an antigen supplier

#### Associated With:

Autism<sup>1</sup>  
 Autoimmune uveitis<sup>2</sup>  
 Celiac disease,<sup>3,4,5</sup>  
 Dairy allergy<sup>6</sup>

**Known Cross-Reactions:** A5-B3 glycinin of Soy,<sup>5</sup> Cerebellar,<sup>1</sup> Gliadin,<sup>7</sup> Retinal-S antigen,<sup>2</sup> anti-Rotavirus IgG,<sup>8</sup> Sheep and Goat milk Casein,<sup>9</sup> Insulin autoantibodies<sup>10</sup>

#### Clinical Significance:

The presence of antibodies to  $\alpha$ -Casein +  $\beta$ -Casein combined is an indication of food immune reactivity. The offending food and its known cross-reactive foods should be eliminated from the diet. Cow's Milk is the most common cause of food allergy in the first years of life and contributes to maladies such as gastrointestinal upset, skin problems, respiratory manifestations and anaphylaxis.<sup>8</sup> For some the sensitivity persists throughout one's lifetime and may contribute to autoimmunity later in life. Particular autoimmunities associated with Casein include Celiac disease<sup>3,4,5</sup> and autoimmune uveitis.<sup>2</sup> Cow's Milk plays a role in the gastrointestinal symptoms in 50% of patients with non-celiac gluten sensitivity and Celiac disease.<sup>3,4,5</sup>

#### References:

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