



HUMAN DIAGNOSTICS

Food Specific IgG Ab Test Kit

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Food Specific IgG Ab Test Kit



Micro
sample volume



Multiple
sample coverage



Instant result
in **10** min



Detection of
20+ common allergens

Food intolerance

Food intolerance is a complex type of adverse food reaction where the immune system mistakenly identifies one or more harmless foods entering the body as harmful substances. It mounts an excessive protective immune response against them, producing food-specific IgG antibodies. These IgG antibodies can form immune complexes with food particles (Type III hypersensitivity reaction), which can trigger inflammatory responses in all tissues, including blood vessels, manifesting as symptoms and diseases affecting various systems throughout the body.

Food intolerance and food allergy are two different concepts but are easily confused in daily life.

The following are the key differences between them:

Feature	Food Intolerance	Food Allergy
Detection Method	Food Specific IgG Antibody Testing	Allergen Specific IgE Antibody Testing & Skin Prick Testing
Onset Characteristics	Delayed (hours to days after exposure)	Immediate (minutes to up to 2 hours after exposure)
Normal Physiological State	Certain levels of food-specific IgG are normally present in healthy individuals, representing a normal immune response to dietary exposure	Allergen Specific IgE levels in healthy individuals are extremely low
Affected Population	People of all age groups	Primarily seen in children, less common in adults
Common Symptoms	Various chronic symptoms	Primarily manifests as typical allergic symptoms like urticaria, eczema, vomiting, diarrhea
Ease of Diagnosis	Onset is insidious, involves multiple foods; patients find it difficult to self-identify the intolerant foods	Onset is rapid, involves fewer foods; patients can often easily identify the trigger food themselves
Trigger Foods	Often frequently consumed foods	Often infrequently consumed foods
Treatment Approach	Elimination diet for intolerant foods	Immunotherapy and symptomatic treatment
Prognosis	Symptoms often resolve after 6 months of elimination	Often a long-term allergy
Application Scenarios	<ul style="list-style-type: none">• Ancillary investigation for chronic, insidious symptoms (e.g., chronic fatigue, IBS, migraine)• Dietary adjustment reference in functional/integrative medicine• Guidance for food rotation or short-term elimination diets	<ul style="list-style-type: none">• Identifying the cause of acute allergic reactions• Finding triggers for atopic dermatitis, asthma, rhinitis• Risk assessment for anaphylaxis• Selection of indications and targets for specific immunotherapy (desensitization treatment)

Significance of Food Specific IgG Antibody Testing

Food-specific IgG antibody testing is primarily used to assess the body's immune response to common food components, reflecting the state of immune tolerance or sensitivity upon long-term dietary exposure. Through food intolerance testing, potential causes of diseases can be identified, preventing unsuitable foods from continuously harming the body. By developing a rational dietary management plan involving the elimination or reduction of intolerant foods, the source of disease trigger can be controlled, curbing the disease's progression, and ultimately leading to a significant improvement in quality of life.

Product Advantages

Comprehensive: Designed based on dietary habits, offering 10, 15, or 20-item panels covering common dietary components for screening.

Flexible: Comprehensive coverage of serum, plasma, and whole blood. Microperipheral blood testing offers greater flexibility.

Rapid: A true point-of-care testing (POCT) product that delivers results immediately upon completion of the independent testing process, with results available in as fast as 10 minutes.

Target Population for Testing

- ☐ Individuals experiencing chronic fatigue or general malaise

☐ Individuals prone to allergies or with allergic symptoms

☐ Women who are pregnant or breastfeeding
- ☐ Children with growth delay (over 5 years old)

☐ Individuals with chronic immune-metabolic conditions

☐ Individuals focused on personal health management

Product Information

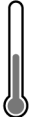
Product Description	Methodology	Sample Type	Packing	Validity	Storage
Food Specific IgG Ab Test Kit	Western blotting	Whole Blood Serum Plasma	1T/Box 2T/Box 10T/Box	12 Months	2-30℃

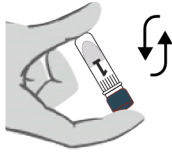
Test Procedures



Take out the kit and balance at room temperature for 20-30 minutes.


20-30 minutes


20-30℃



Add 5μL of serum/plasma, or 10μL of whole blood in to tube 1, shake well.



Pour tube 1 into the reaction area, gently shake the plate to evenly distribute the liquid, and wait for the liquid to be fully absorbed. Repeat the operation for tubes 2 -5.


3 minutes

Pour tube 6 into the reaction area, gently shake the plate to evenly distribute the liquid, and wait for 3 minutes after the liquid is fully absorbed.



Pour tube 7 into the reaction area, gently shake the plate to evenly distribute the liquid, and observe the results immediately after the liquid is fully absorbed. The results are valid within 3 minutes.

Result Interpretation

Compare bands in detection area with provided colorimetric card. The interpretation standard is provided as follows:

Grade	0	1	2	3	4	5	6
	-	+		++		+++	
Strip Characteristics	No or very weak bands	Faint bands		Moderate color bands		Strong color bands	