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Biomarkers in oral immunotherapy

Key words: Food allergy; Oral immunotherapy; Biomarker;

Immune tolerance; Desensitization

Research Summary

This review mainly focused on the discussion and assessment of various immunological indicators as biomarkers for oral immunotherapy.







- T cell responses
- Potential cell markers
- Omics-based tests



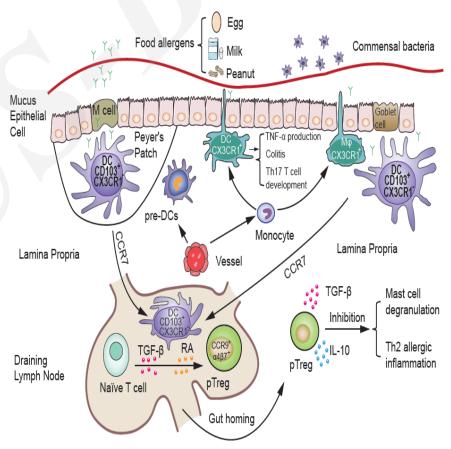


Innovation points

• This review exhaustively describes the diagnostic and therapeutic biomarkers in food allergy and OIT.

• Introduction of the most updated research progress about the immune mechanisms involved in OIT.

• Summary of the application values and future perspectives of these biomarkers for OIT assessment and prediction.



Innovation points

A series of original figures and were generated to summarize the update progress about biomarkers in OIT

Figure 1 | Schematic diagram of immune tolerance to food antigens.

Table 1 Th2 differentiation/secreted cytokine profiles.

Table 2 Overview of current omics technologies.