

Immune Zoomer

The Immune Zoomer evaluates a broad set of tissue-specific immune markers that reflect how the immune system is interacting with key organs and systems throughout the body. Markers are organized across systemic, endocrine, musculoskeletal, neurological, gastrointestinal, and vascular domains to show where immune activity is concentrated and how patterns may overlap across systems. Together, they provide a structured view of immune balance, tissue stress, and multi-system immune involvement, supporting more straightforward interpretation and more targeted clinical decisions.

Joint, Muscle, and Connective Tissue	Systemic Autoimmunity
<ul style="list-style-type: none"> Collagen type II Rheumatoid Factor (RF) IgM Citrullinated Peptide Antibodies (Anti-CCP3) IgG Citrullinated Peptide Antibodies (Anti-CCP3) IgA Cardiac myosin Jo-1 (histidyl-tRNA synthetase) PM/Scl-75 PM/Scl-100 Titin U1-snRNP 68/70 kDa U1-snRNP A U1-snRNP C U1-snRNP B/B' α-actinin Smooth muscle antibodies (ASMA) 	<ul style="list-style-type: none"> Antinuclear antibodies (ANA) Double-stranded DNA (dsDNA) Sm antigen Sm/RNP SmD SmD1 SmD2 SmD3 Nucleosome / Chromatin Histones
Neurological and Sensory Tissues	Gut and Intestinal Immune Activity
<ul style="list-style-type: none"> Myelin basic protein (MBP) Ganglioside GM1 Myelin-associated glycoprotein (MAG) Aquaporin-4 (AQP4) Interphotoreceptor retinoid-binding protein (IRBP / RBP3) α-fodrin SSA 52 kDa SSA 60 kDa SSB 	<ul style="list-style-type: none"> Parietal cell antibodies (PCA) Anti-Saccharomyces cerevisiae antibodies (ASCA) Tissue transglutaminase (tTG) IgG Tissue transglutaminase (tTG) IgA Deaminated gliadin peptide (DGP) IgG Deaminated gliadin peptide (DGP) IgA
Endocrine and Metabolic Autoimmunity	Vascular and Immune-Signaling Markers
<ul style="list-style-type: none"> Thyroglobulin (TG) Thyroid peroxidase (TPO) Insulin Islet Cell Antigen 1 (ICA1) Islet Cell Antigen 2 (ICA2) Glutamic Acid Decarboxylase 65 (GAD65) Glutamic Acid Decarboxylase 67 (GAD67) 	<ul style="list-style-type: none"> Beta-2 glycoprotein I (β2GPI) Cardiolipin Proteinase 3 (ANCA) Interferon-α/β receptor 1 Interferon-α/β receptor 2 Platelet antigens (GPIIb) Platelet antigens (GPIIIa) RNA Polymerase III Scleroderma-specific antibodies (Scl-70) Centromere protein A (CENP-A) Centromere protein B (CENP-B)