

# Autoimmunity

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Such diseases affect 5% - 7% of the human population, often causing chronic debilitating illnesses..

- Some examples of Organ-specific Autoimmune Diseases :-

<u>Disease</u>	<u>self-antigen</u>	<u>immune response</u>
a. Addison's disease	Adrenal cells	Auto-antibodies
b. Graves disease	Thyroid-stimulating hormone receptor	Autoantibody (stimulating)
c) Insulin-dependent diabetes mellitus.	Pancreatic beta cells.	autoantibody
d) Pernicious anemia	Gastric parietal cells, intrinsic factor	Autoantibody

- Some examples of systemic Autoimmune Diseases.

<u>Disease</u>	<u>Self-antigen</u>	<u>Immune response.</u>
a) Rheumatoid arthritis	Connective tissue. IgG	Autoantibodies; immune complexes.
b) Multiple sclerosis	Brain or white matter	TH1 cells & Tc cells autoantibodies
c) Systemic lupus erythematosus (SLE)	DNA, Nuclear Protein, RBC & Platelet	Autoantibody Immune complexes