

Type of Hypersensitivity Rxn:	Type I: IgE-mediated (Humoral) A	Type II: Cytotoxic & Cytolytic (Humoral) C	Type III: Immune Complex (Humoral) I	Type IV: Delayed (Cell mediated- t cells) D
Antigen:	Pollen, food, drugs, dust	Cell surface of RBC's	Extracellular fungal, viral, bacterial	Intracellular or extracellular
Antibody:	IgE	IgG, IgM	IgG, IgM	None
Characteristics:	Immediate, anaphylactic rxn; systemic (life threatening) or localized (wheal and flare) rxn;	Body makes auto-antibodies against self-cells; Self cells are destroyed	Tissue damage from antibody-antigen complex; deposit in tissues; causes acute inflammation, damage to tissue &/or blood vessels <i>(kidneys, skin, joints, BV, lungs)</i>	Tissue damage without antibody presence; T cells and macrophages destroy antigen; 24-48 hrs before reaction occurs
Examples:	Asthma, atopic dermatitis, food/drug allergies, urticarial, hayfever , angioedema	Blood transfusion reaction, hemolytic anemia	Autoimmune: Lupus, Rheumatoid Arthritis, Acute glomerulonephritis	Contact dermatitis, transplant rejections