THREE "LIMBS" OF THE IMMUNE RESPONSE

ANTIGEN

Ag/Ab complexes

Antigen processing (dendritic cells, MΦ et al.)

Antigen "presentation"

Antigen-specific triggering

B

Proliferation

Differentiation

Th2

T-cell "help"

Th1

AFC

ANTIBODY

Autoimmunity

T-Cell Functions

TC

T-cell killing: virus-infected cells, transplants

Mixed Lymphocyte Reaction (MLR)

Delayed type hypersensitivity, (DTH); e.g. tuberculin reaction

Treg

Tolerance, suppression

Complement

Killing of bacteria

Inflammation

Inactivation of viruses

Allergy

Afferent

Central

Efferent

Antigen-specific triggering

Inactivation of viruses

Allergy

Antibody

Autoimmunity

T-Cell Functions

TC

T-cell killing: virus-infected cells, transplants

Mixed Lymphocyte Reaction (MLR)

Delayed type hypersensitivity, (DTH); e.g. tuberculin reaction

Treg

Tolerance, suppression