

T-lymphocytes

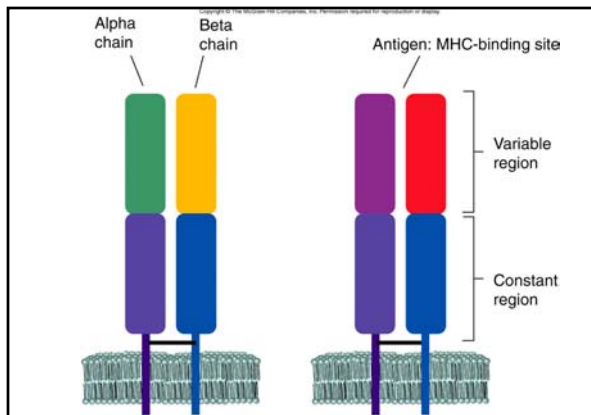
- T cell receptor
- T – cytotoxic (CD8) cells
- T – helper (CD4) cells
- Activation of T cells

16-1

T cell receptor

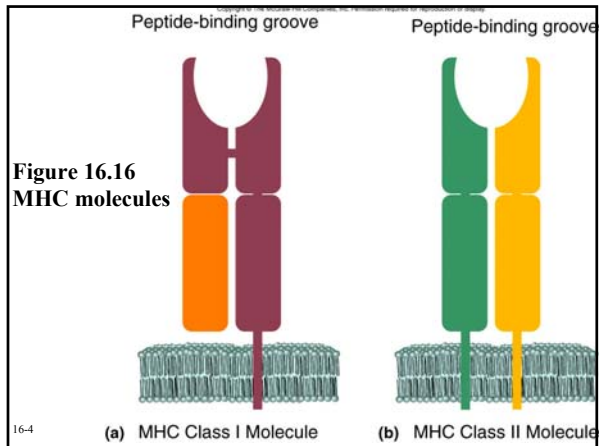
- Alpha and beta polypeptide chains
- Antigen - major histocompatibility (MHC) binding site

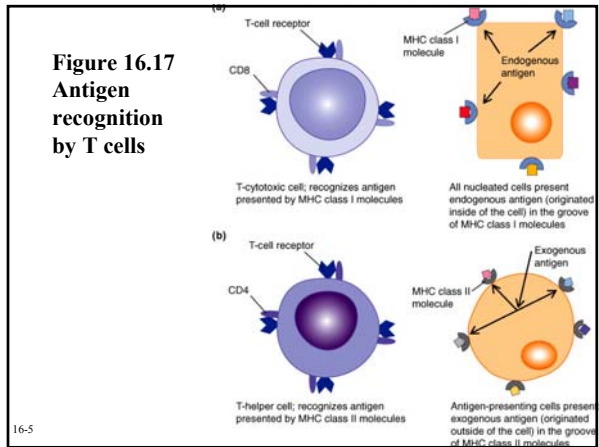
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Figure 16.15 – two different T cell receptors



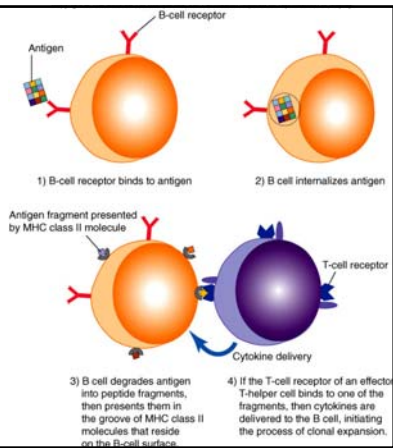


T – cytotoxic cells

- Induce apoptosis
- Produce cytokines
- Recognize MHC class I molecules and endogenous antigen

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Figure 16.9 B cell, T cell interactions



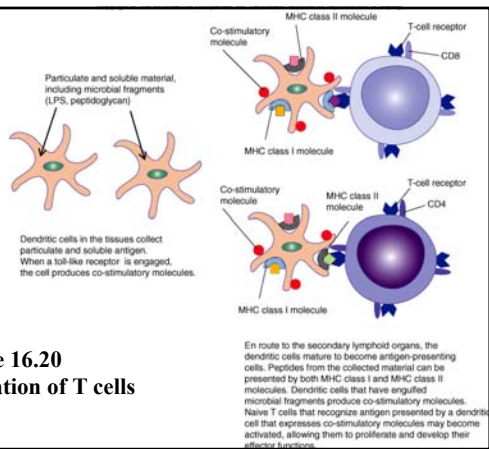
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Activation of T cells

- Dendritic cells
- Activated macrophages

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Figure 16.20 Activation of T cells



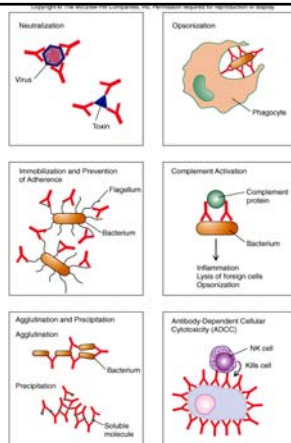
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Natural Killer (NK) cells

- Antibody – dependent cellular cytotoxicity (ADCC)
- Kill cells that do not have the MHC class molecules

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Figure 16.6
Protective outcomes
of Ab-Ag binding



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Lymphocyte development

- Generation of diversity
- Negative selection of self – reactive B and T cells

16-15
