

Functions of CD8⁺ Effector T Cells

Chapter 11

I. Introduction

II. Differentiation

A. Activation

- a. signal
 - 1) B7
 - 2) CD28
- b. signal
 - 1) cytokines
- c. signal
 - 1) CD40L - CD40
- d. licensing

B. Effectorization

III. CD8⁺ Effector Functions

A. Synapse formation

B. Killing

- 1. overview
- 2. granules
- 3. contents
 - a. perforin
 - b. granzymes
 - 1) apoptosis
 - c. granzylsin

4. FAS-L

- a. FAS

C. Protection

1. cathepsin B

2. serine proteinase inhibitor

IV. Exhaustion

A. repeated stimulation

B. Chronicity

V. Memory CD8⁺ T cells