

Immunology Day 7

Natural Killer Cells

- background killer in tumor vaccination experiments

Missing Self Hypothesis → MHC I Expression → Self for NK cells
No MHC I Expression → Target for NK cells

- larger, contains more cytoplasm, dense granules
- 5-15% of total lymphocyte fraction
- **For R11** → mediates antibody-dependent cellular toxicity of antibody-coated microbes/tumor cells
- **Contents of granules:**
 - ① perforin - creates pores in cell membrane
 - ② granzyme - induce apoptosis