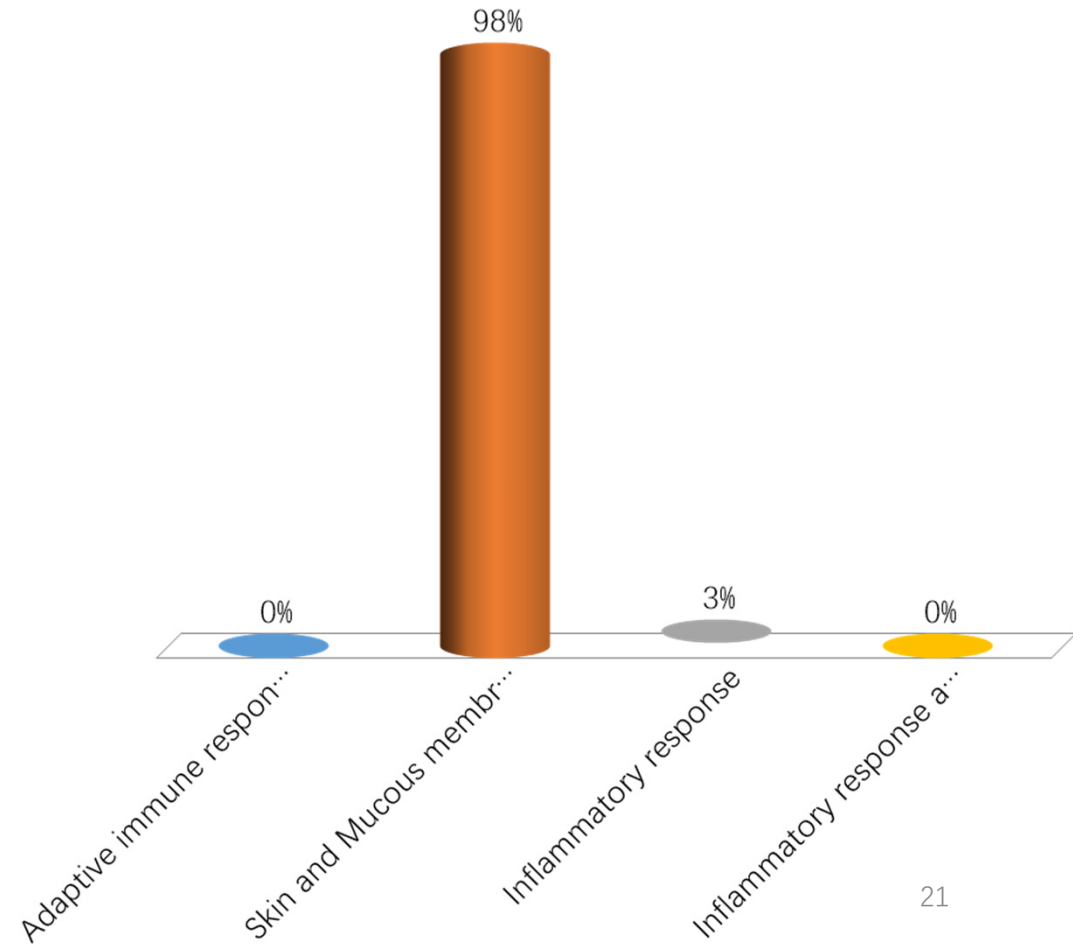


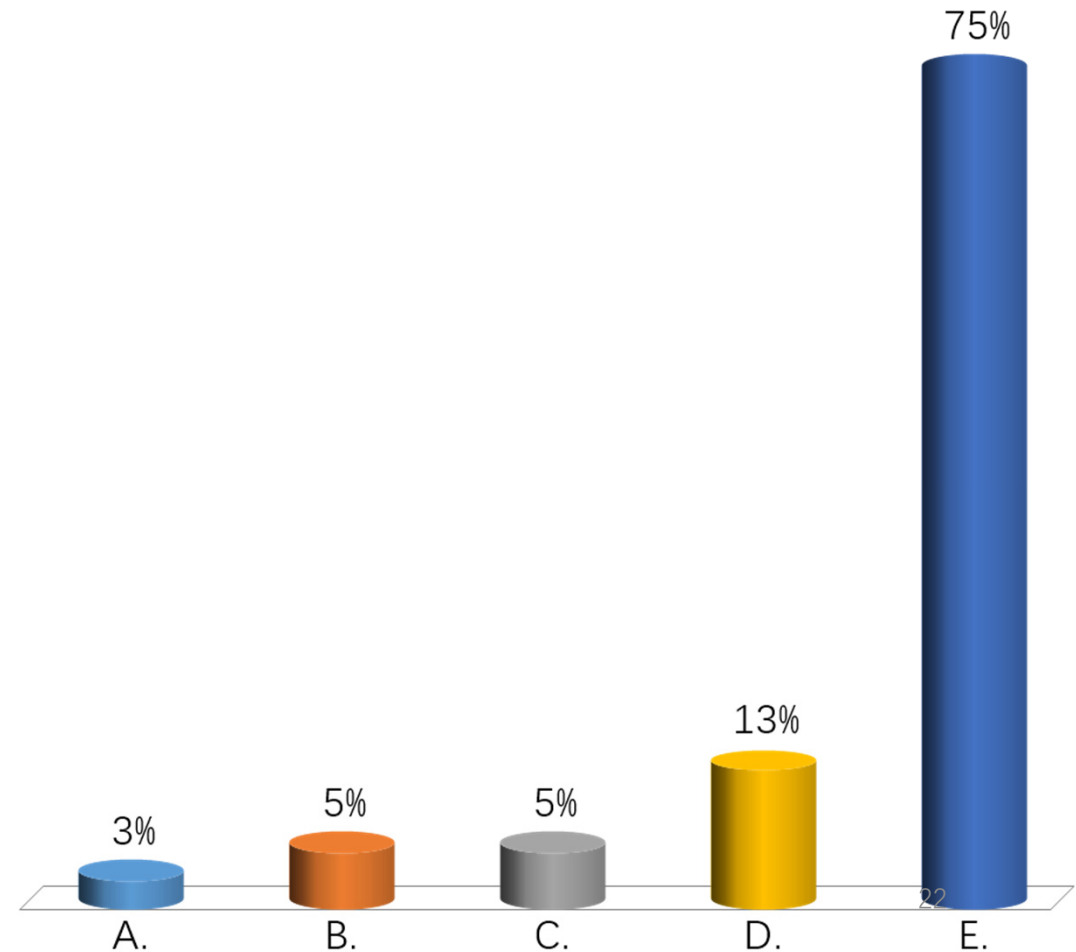
What is the first line of defense?

- A. Adaptive immune response
- ✓ B. Skin and Mucous membranes
- C. Inflammatory response
- D. Inflammatory response and innate Immune response



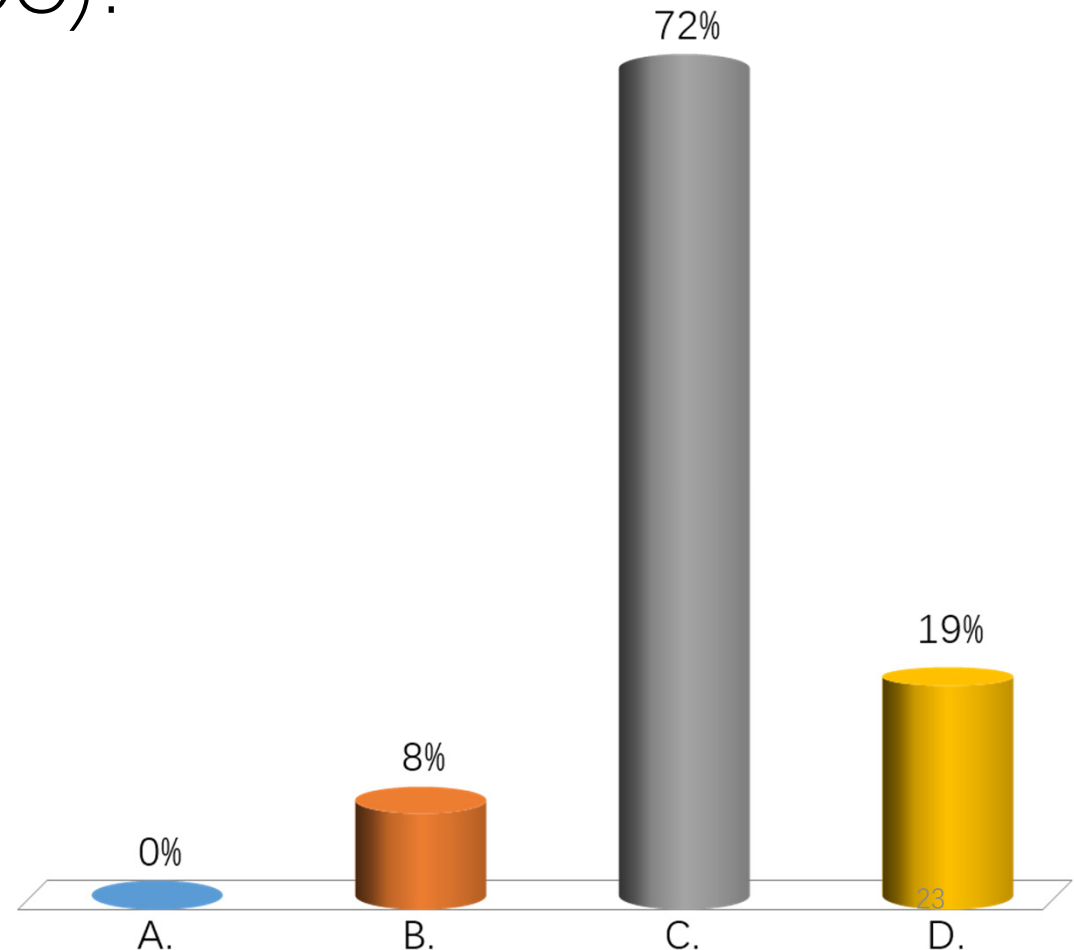
Which cell does NOT belong to innate immune system?

- A. Macrophage
- B. Monocytes
- C. Neutrophil
- D. mast cell
- E. B cell



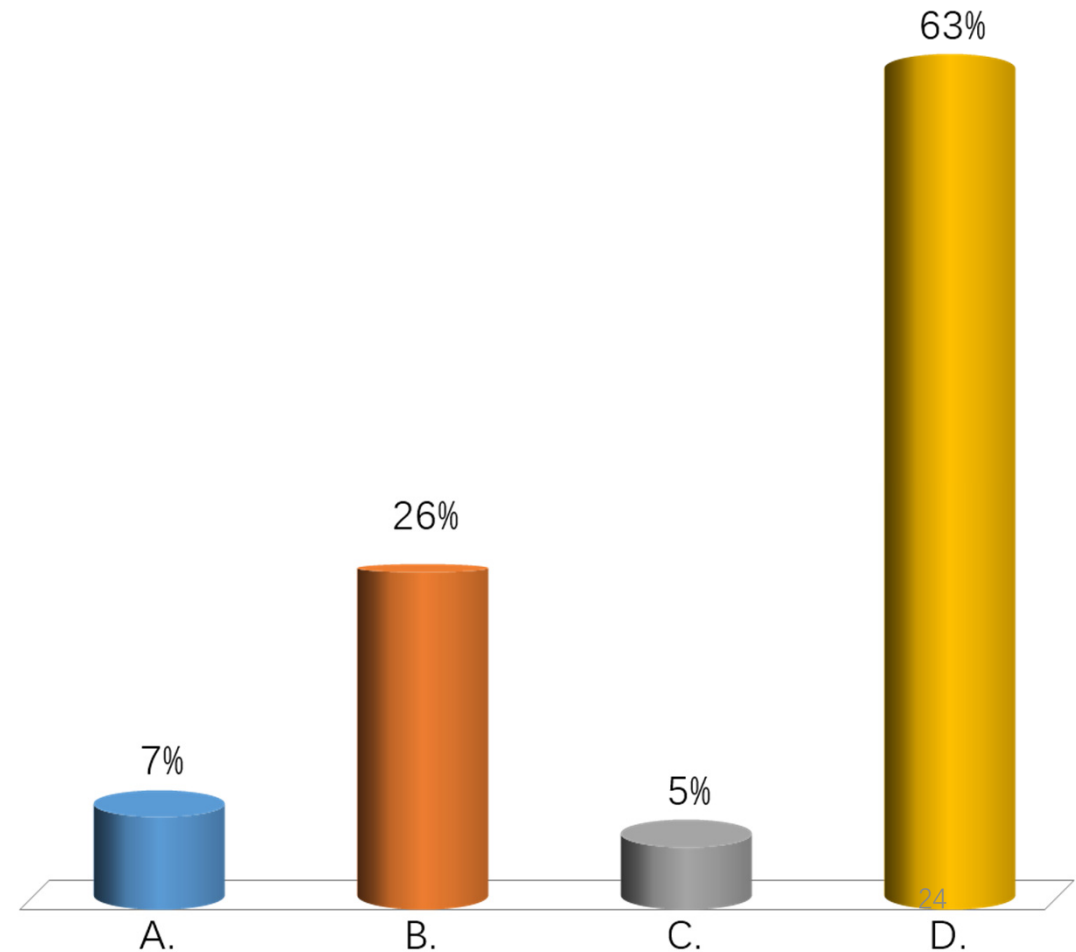
Which of the following components does NOT involve in the process of Antibody-dependent cellular cytotoxicity (ADCC)?

- A. Antibody
- B. natural killer (NK) cells
- C. Eosinophils
- D. Cytotoxic T cells



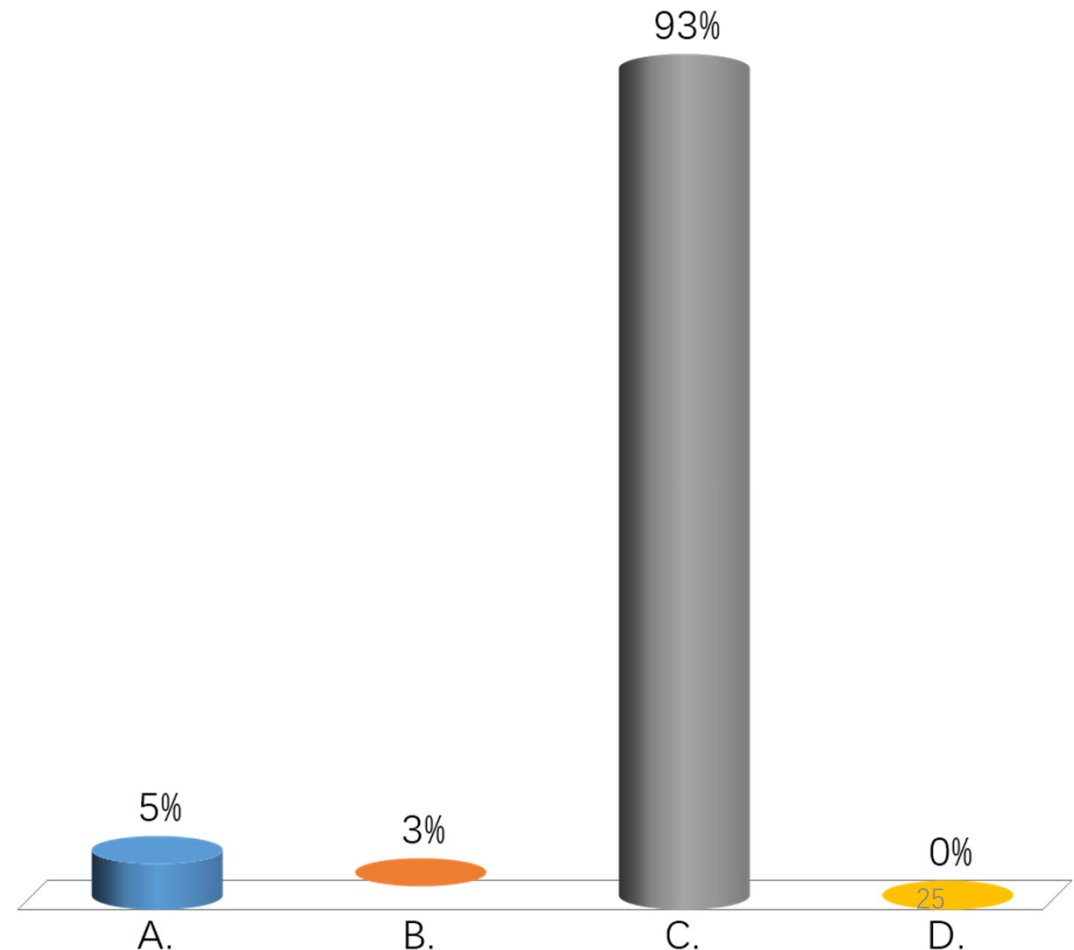
B and T cells are produced by stem cells that are formed in

- A. Thymus
- B. Lymph nodes
- C. Spleen
- D. Bone marrow



B cells mature in the____, while T cells mature in the____

- A. Thymus/bone marrow and gut associated lymphoid tissue (GALT)
- B. Spleen/bone marrow and GALT
- ☒ C. Bone marrow and GALT/Thymus
- D. Liver/Kidneys



Which of the following expresses CD3 surface antigen?

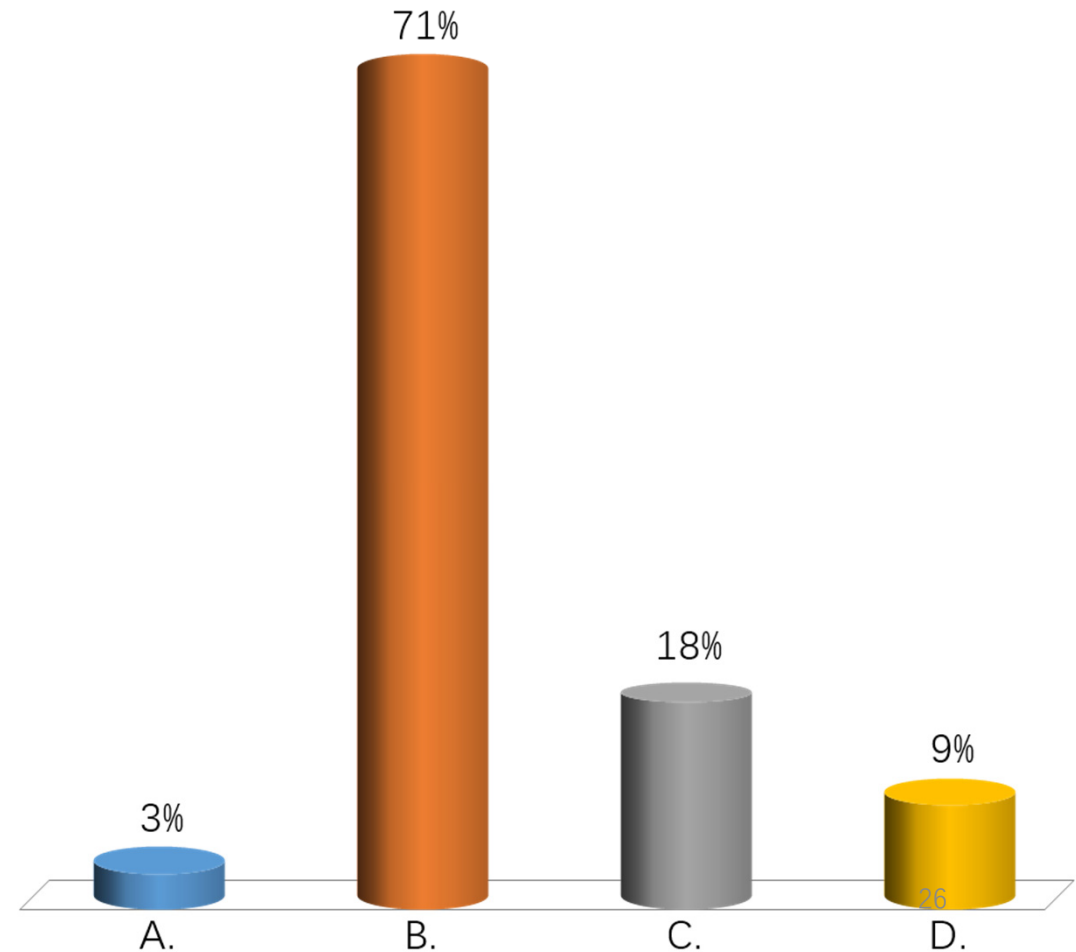
A. Granulocytes



B. T cells

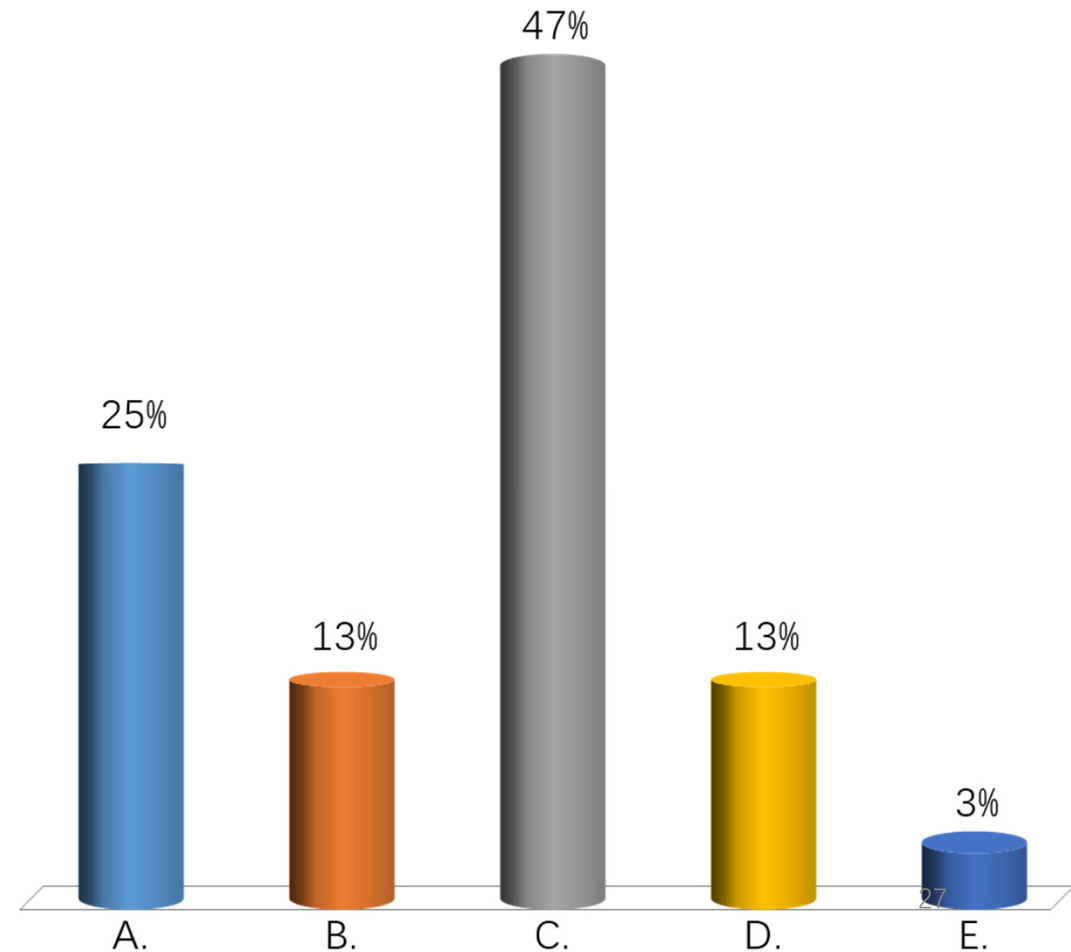
C. Monocytes

D. B cells



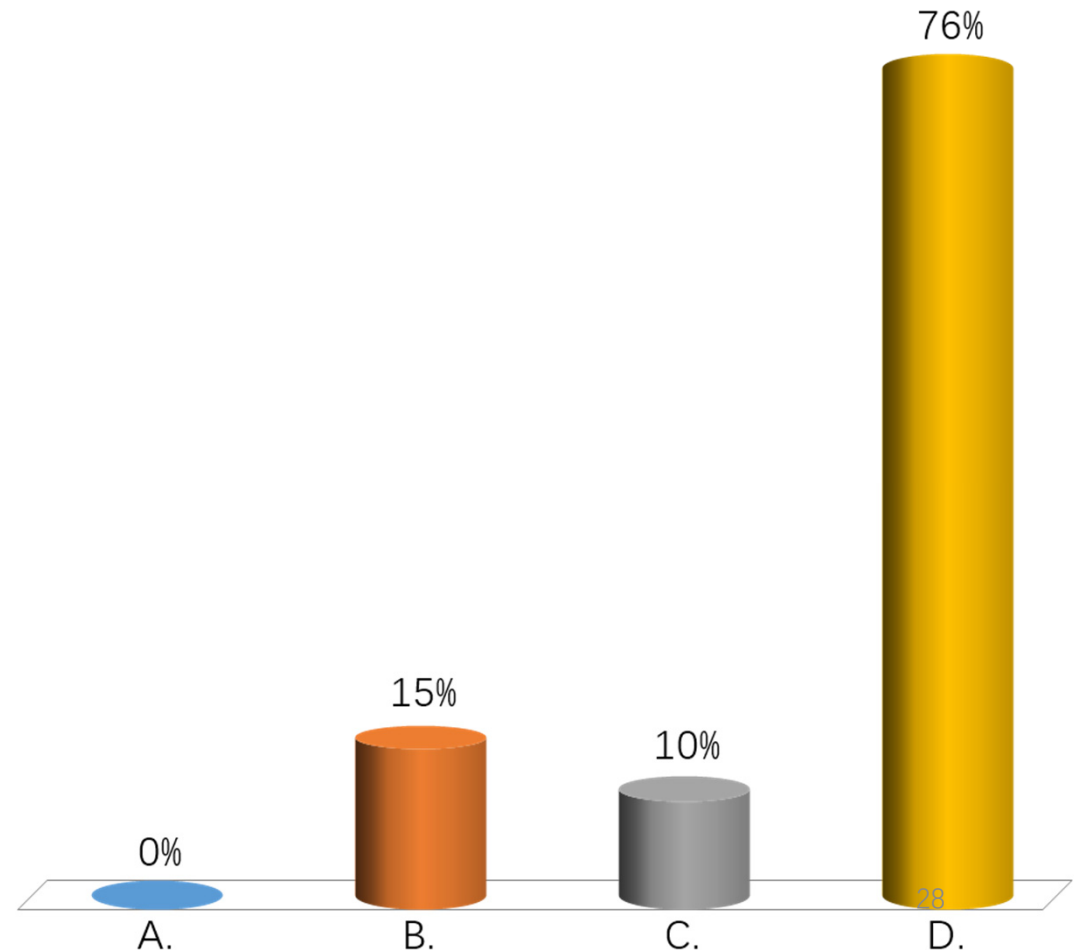
B cells that produce and release large amounts of antibodies are called:

- A. Memory cells
- B. Basophils
- ☒ C. Plasma cells
- D. Killer cells
- E. Neutrophils



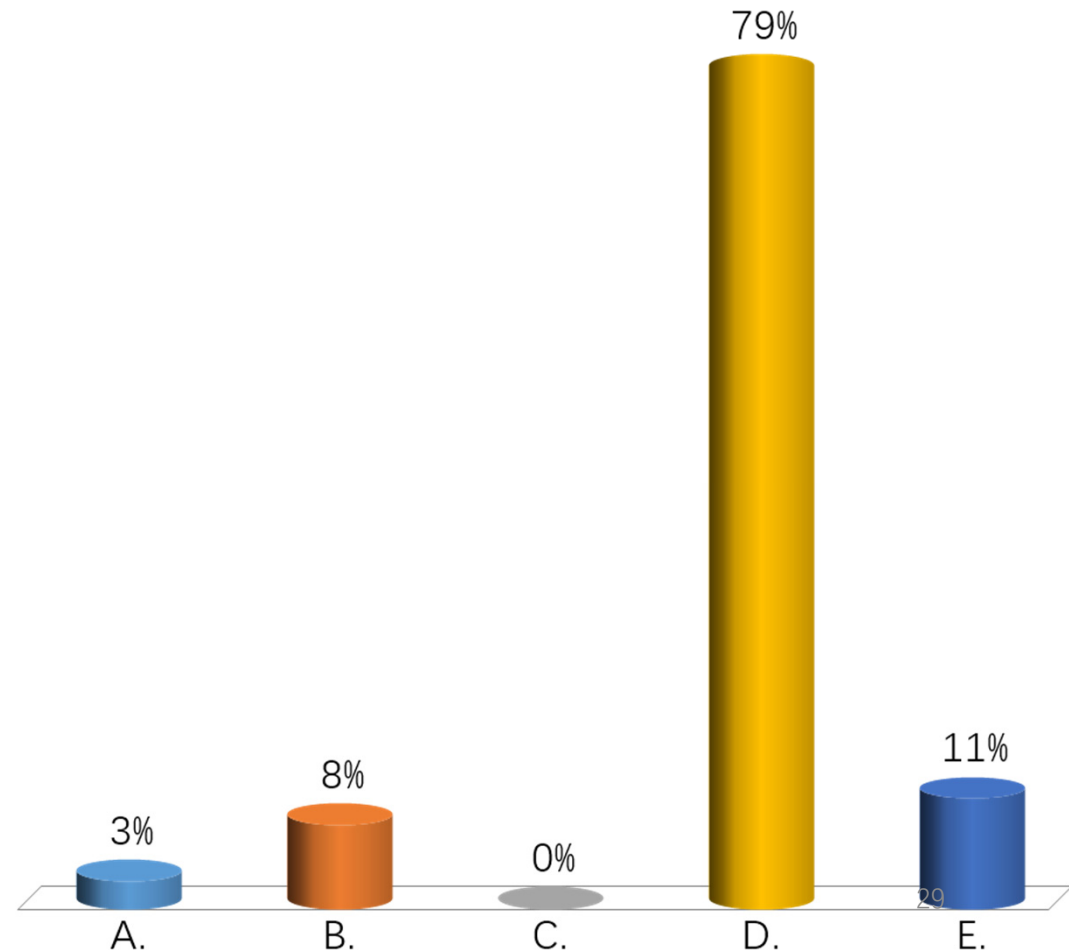
Naturally acquired active immunity would be most likely acquired through which of the following processes?

- A. Vaccination
- B. drinking colostrum
- C. natural birth
- ✓ D. infection with disease causing organism followed by recovery.



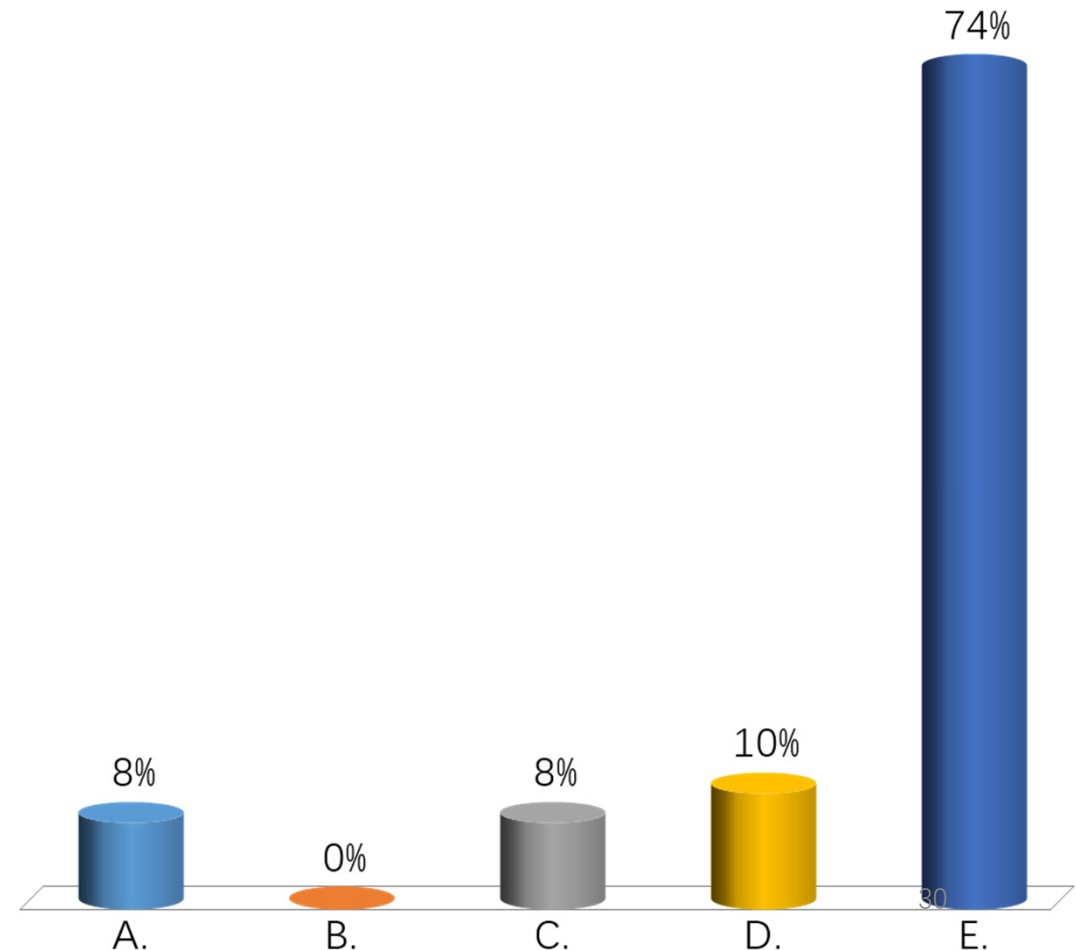
A living microbe with reduced virulence that is used for vaccination is considered:

- A. A toxoid
- B. Dormant
- C. Virulent
- ☒ D. Attenuated
- E. Denatured



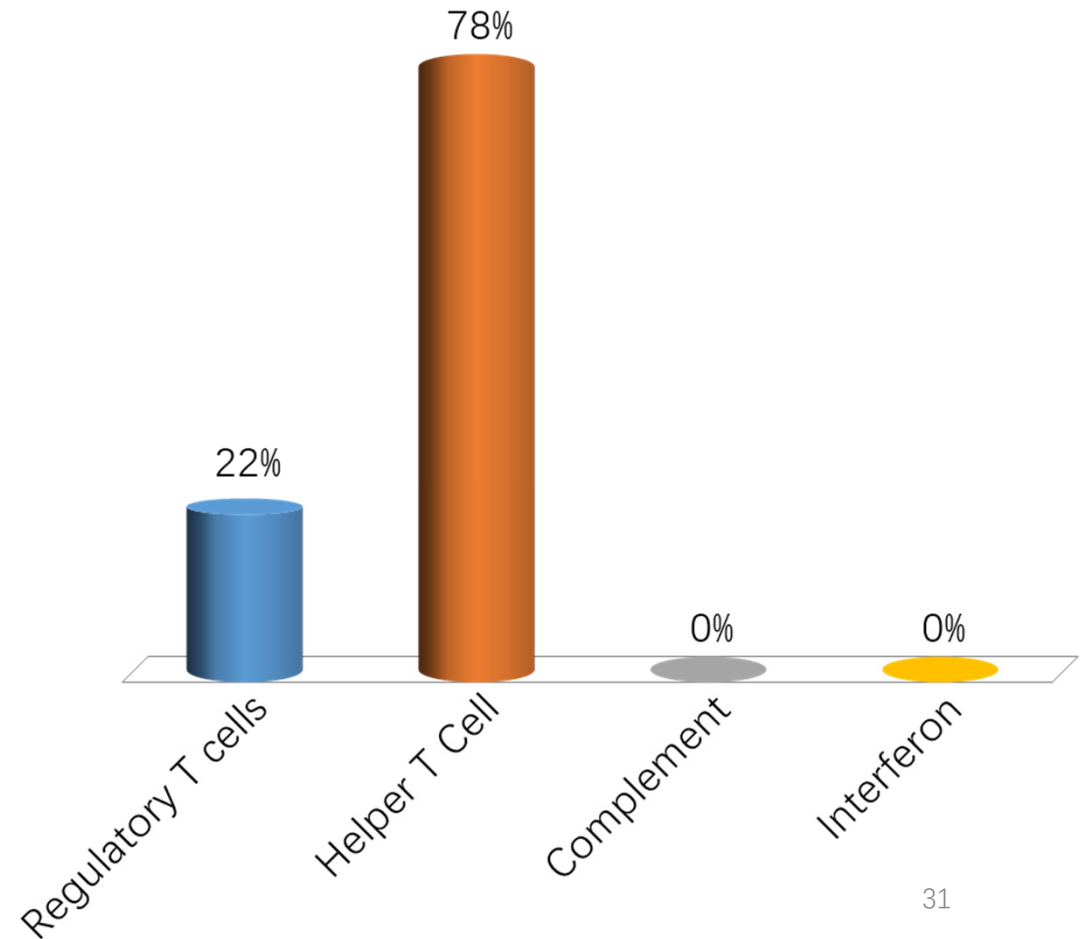
Which of the following immune cells/molecules are most effective at destroying intracellular pathogens?

- A. T helper cells
- B. B cells
- C. Antibodies
- D. Complement
- E. T cytolytic cells



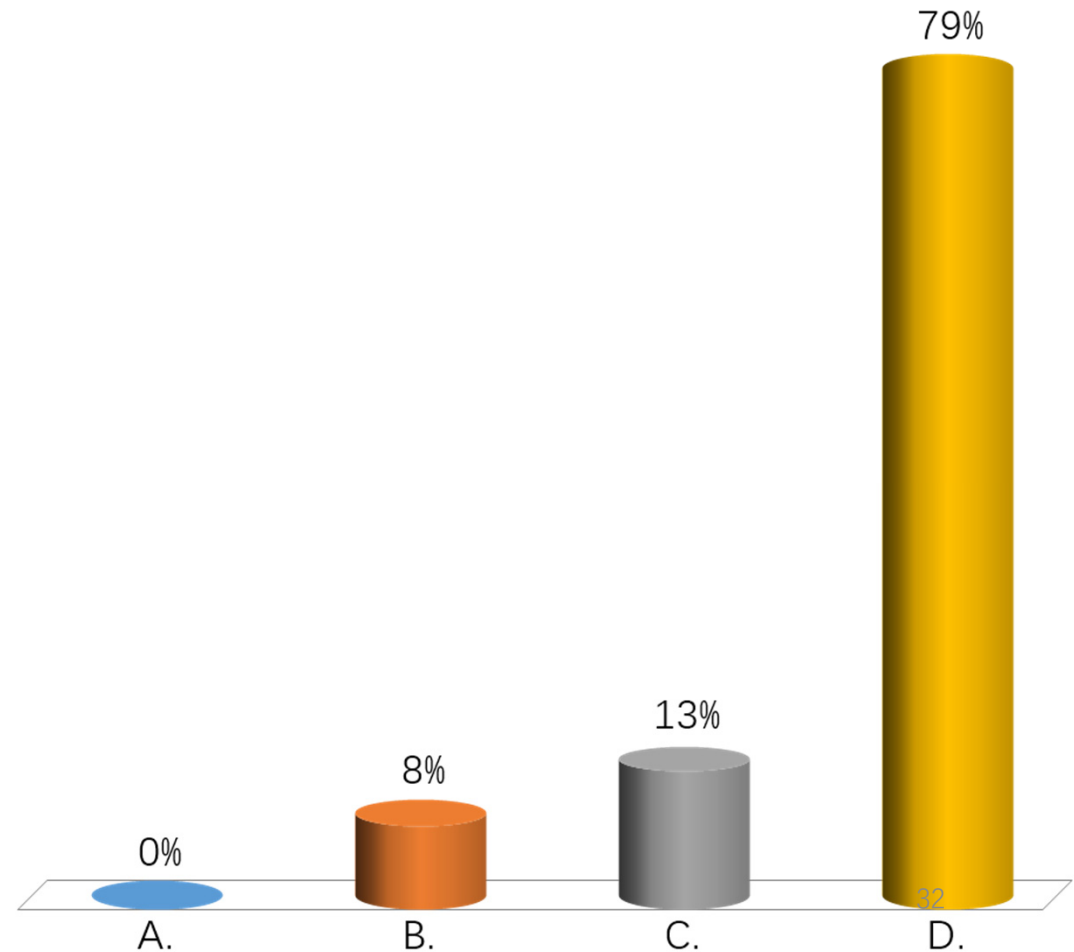
Which cell stimulates the proliferation of other lymphocytes

- A. Regulatory T cells
- ☒ B. Helper T Cell
- C. Complement
- D. Interferon



The specificity of an antibody is due to

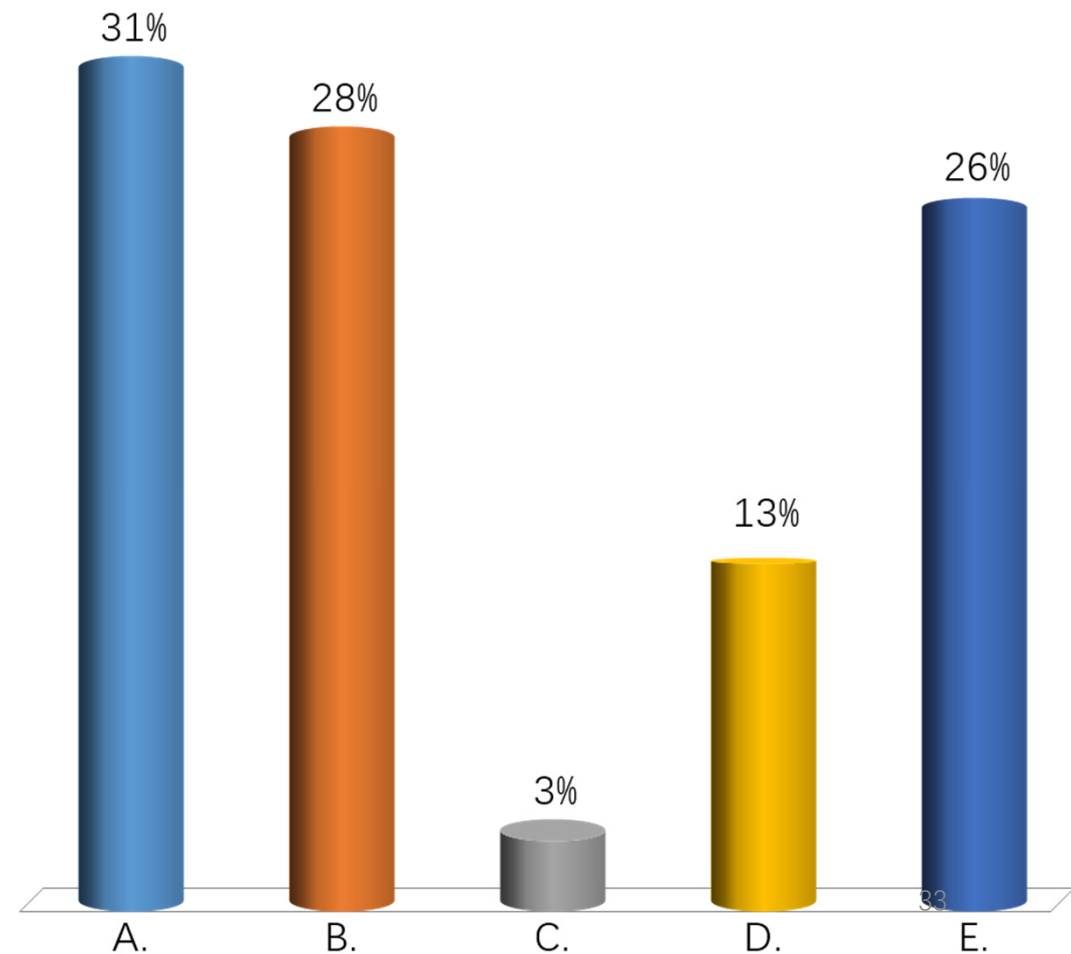
- A. its valence
- B. The heavy chains
- C. The Fc portion of the molecule
- ☒ D. The variable portion of the heavy and light chain



Fusion between a plasma cell and a tumor cell creates a



- A. Hybridoma
- B. Myeloma
- C. Natural killer cell
- D. Lymphoblast
- E. Lymphoma



B Cells are activated by

A. Complement

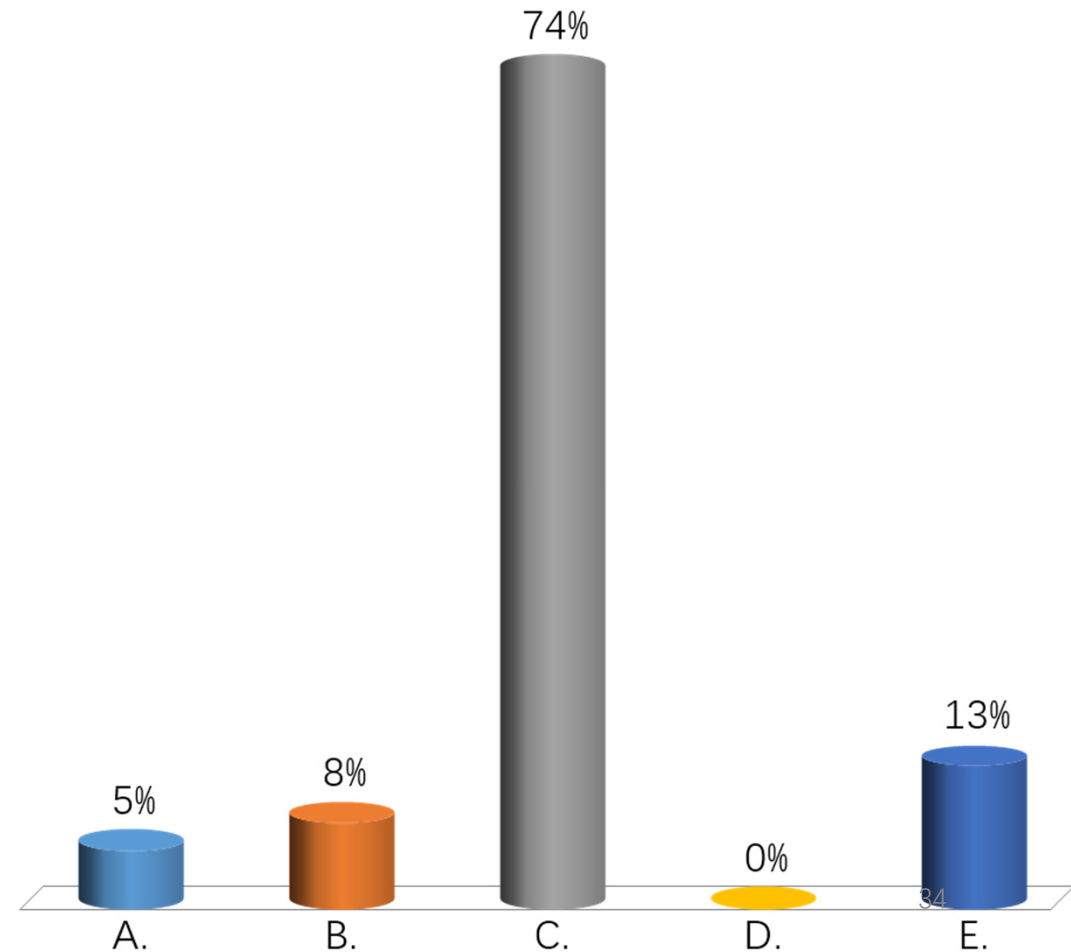
B. Antibody




C. Antigen

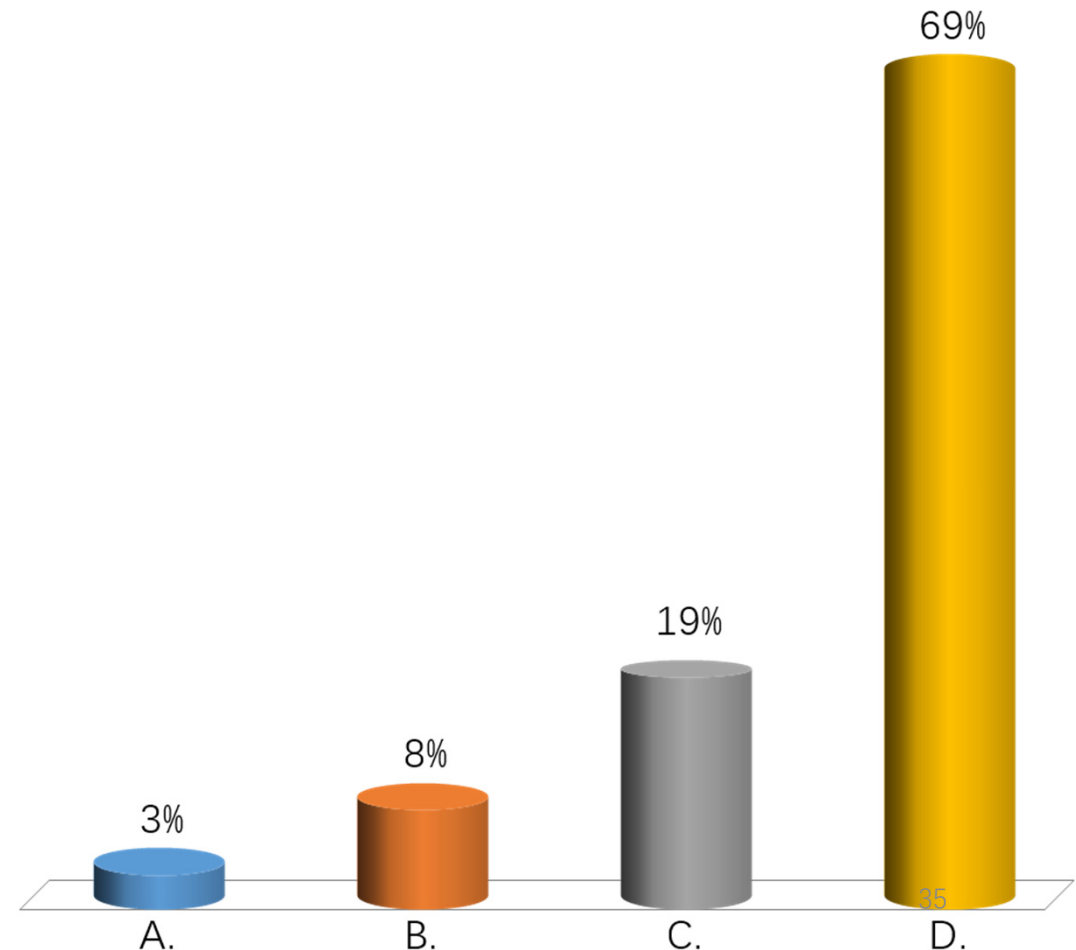
D. Interferon

E. Memory cells



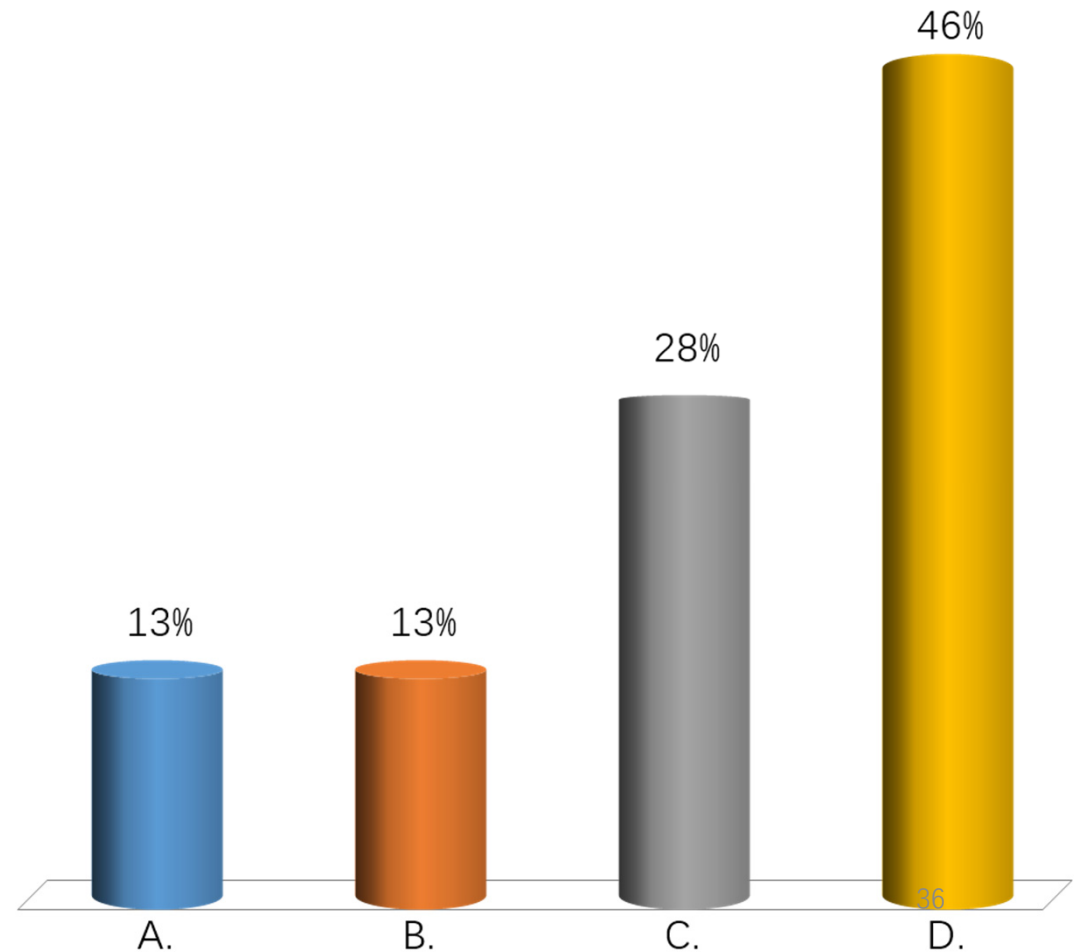
Which of the following is correct for CD8 T cells?

- A. CD8 T cells only recognize virus-infected cells
- B. CD8 T cell receptor recognizes epitopes that are also commonly recognized by B cells
- C. In the thymus, CD8 T cells undergo positive selection only, whereas CD4 T cells undergo negative selection only
-  D. CD8 T cells can kill individual virus-infected cells in a contact dependent fashion



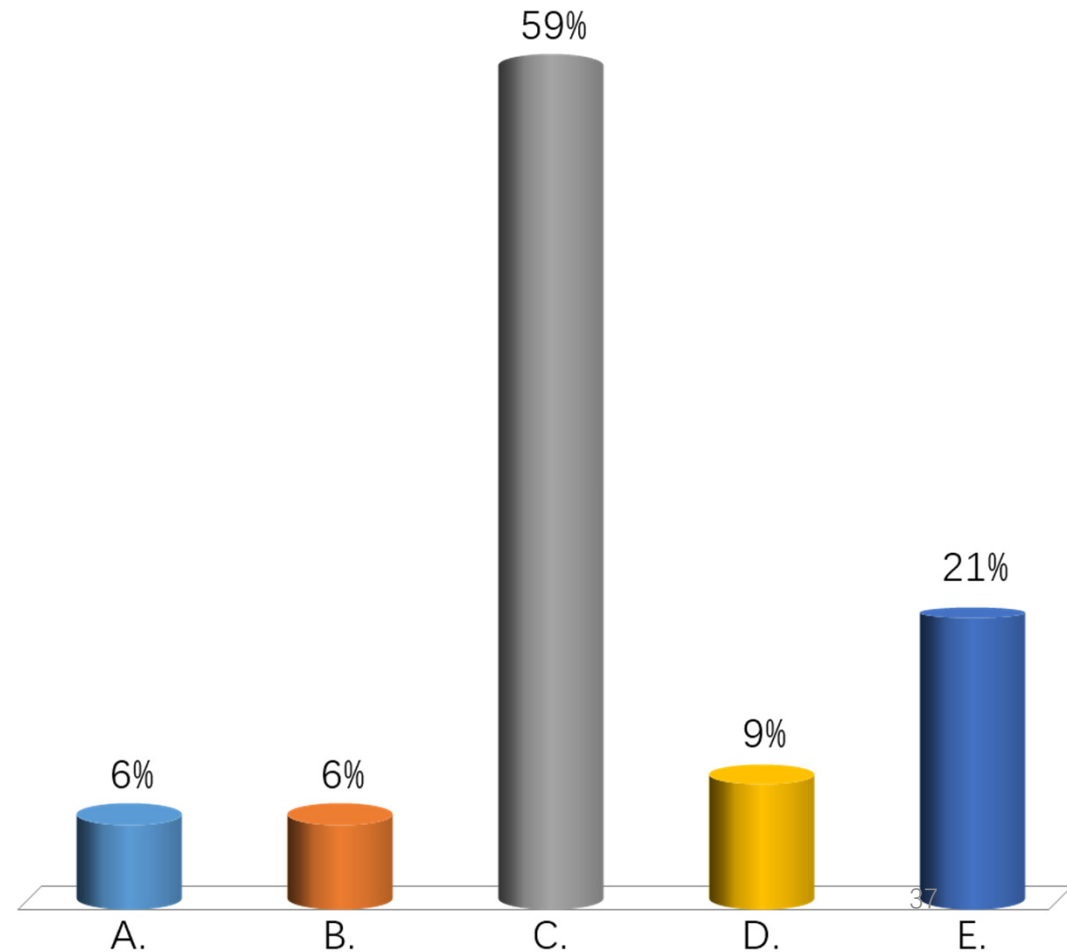
Which of the following is NOT professional antigen presenting cells?

- A. Dendritic cell
- B. Macrophage
- C. B cell
- D. T cell



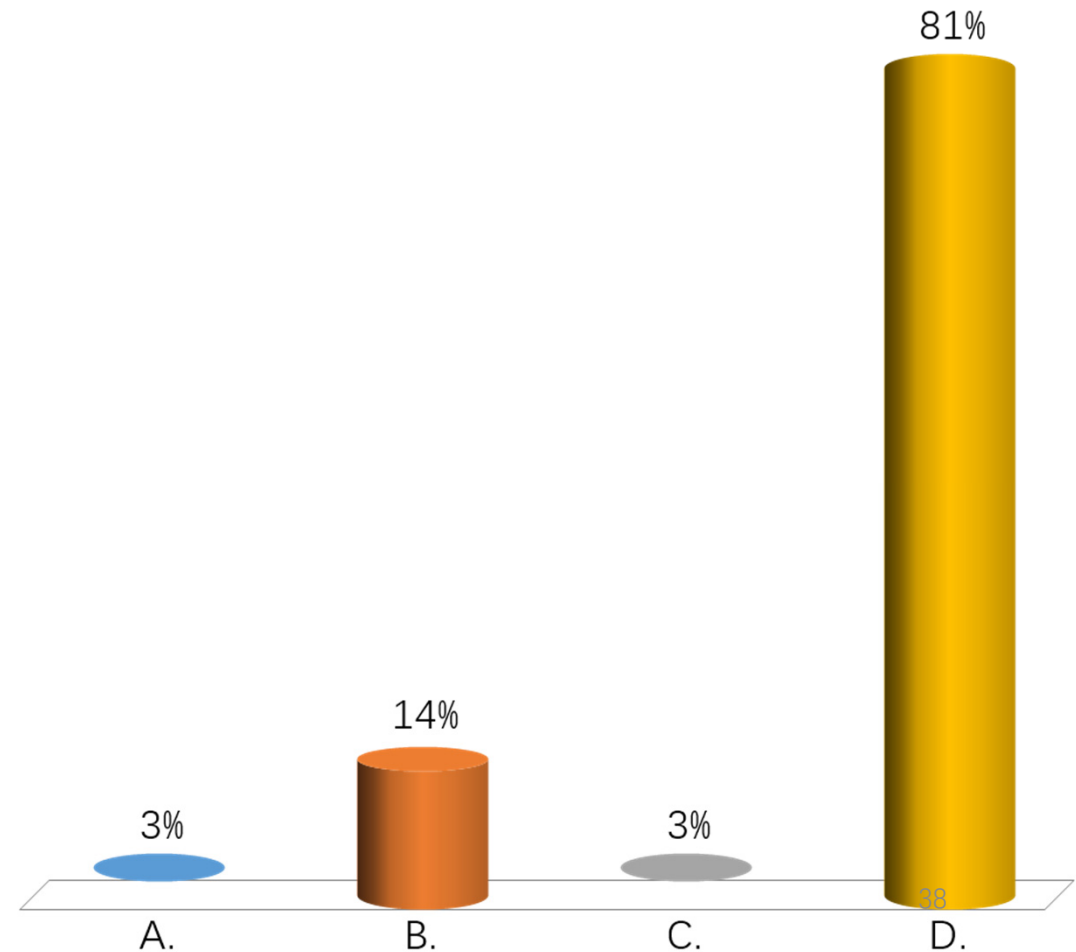
Cell mediated immunity is carried out by____,
while humoral immunity is mainly carried out
by____

- A. B cells/T cells
- B. Epitopes/Antigens
- ☒ C. T cells/B cells
- D. Antibodies/Antigens
- E. Antibodies/Phagocytes



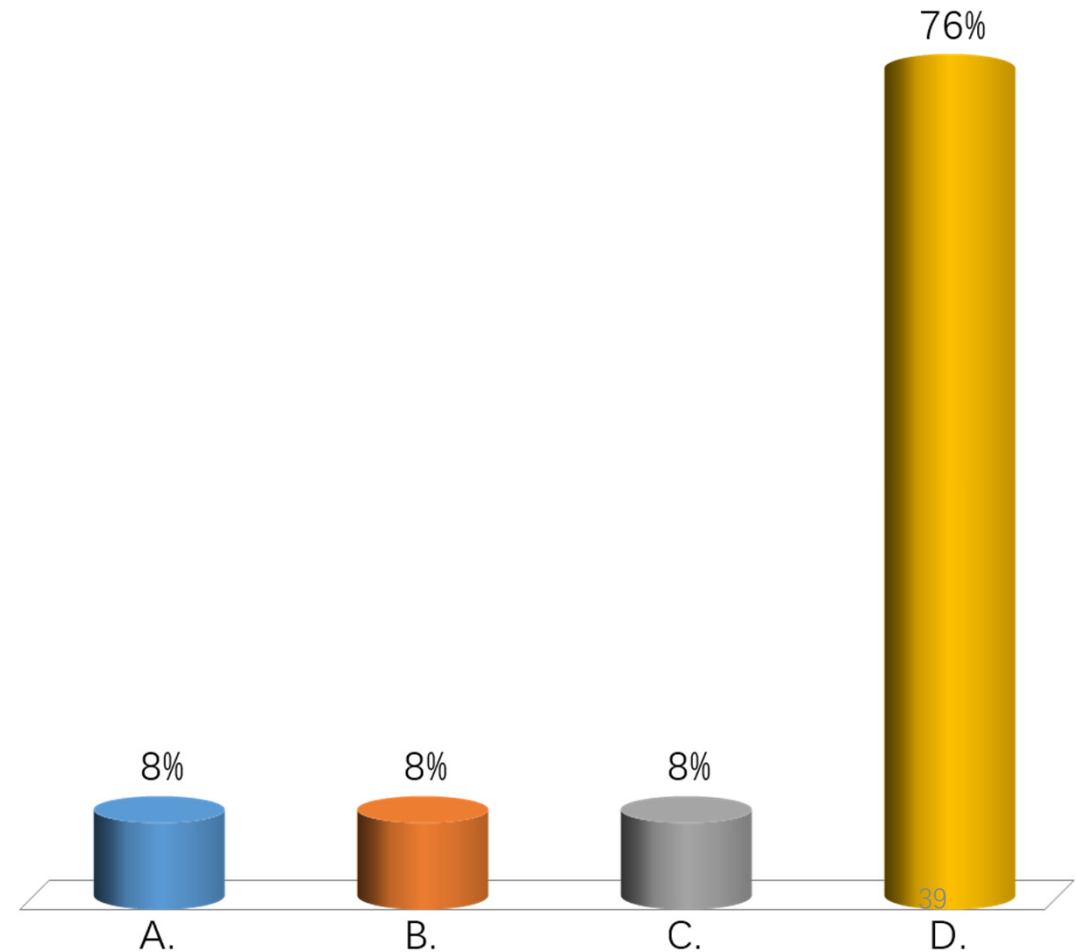
Which of the following is an example of autoimmune disease?

- A. Rheumatoid arthritis
- B. Systemic lupus erythematosus
- C. Polyarteritis nodosa
- D. All of the above



Induction of tolerance mechanism(s) is/are

- A. Suppression
- B. clonal deletion
- C. clonal anergy
- D. all of these



Everyone likes to use pointsolutions with smart phone/laptop/clicker?

- A. True
- B. False

