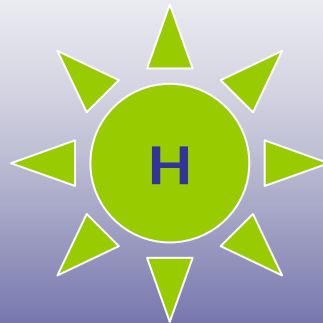


Steckbrief: CD 4 Helferzelle

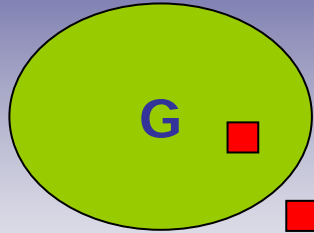
- T-Lymphozyt CD3/CD4
- Koordiniert die Immunabwehr
- Normalwerte?/yl
- Lymphozytenanteil?%
- Hauptangriffsziel von HIV



CD 4 Helferzellen

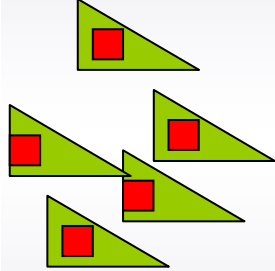
Gedächtniszelle

(Memory Cell)

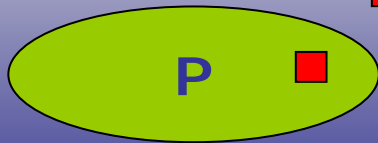


Antikörper

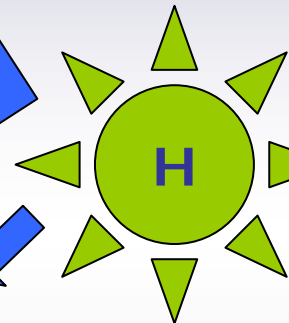
(Antibody)



B-Lymphocyt

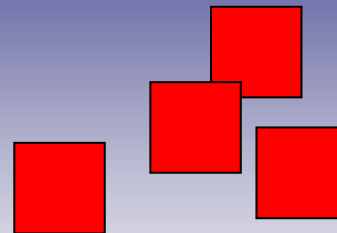


Plasmazellen



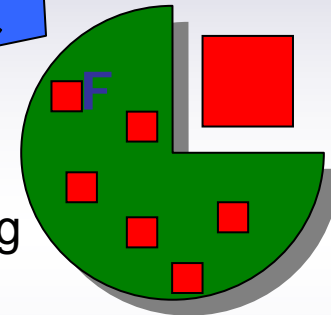
CD 4
Helferzellen

(T Helper cell)



Eindringling

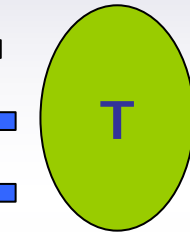
(Antigen)



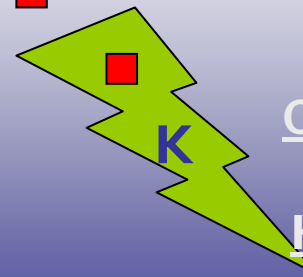
Fresszellen

(Phagocyte)

Aktivierung



T-Lymphocyt



CD 8/CD 38
akt.

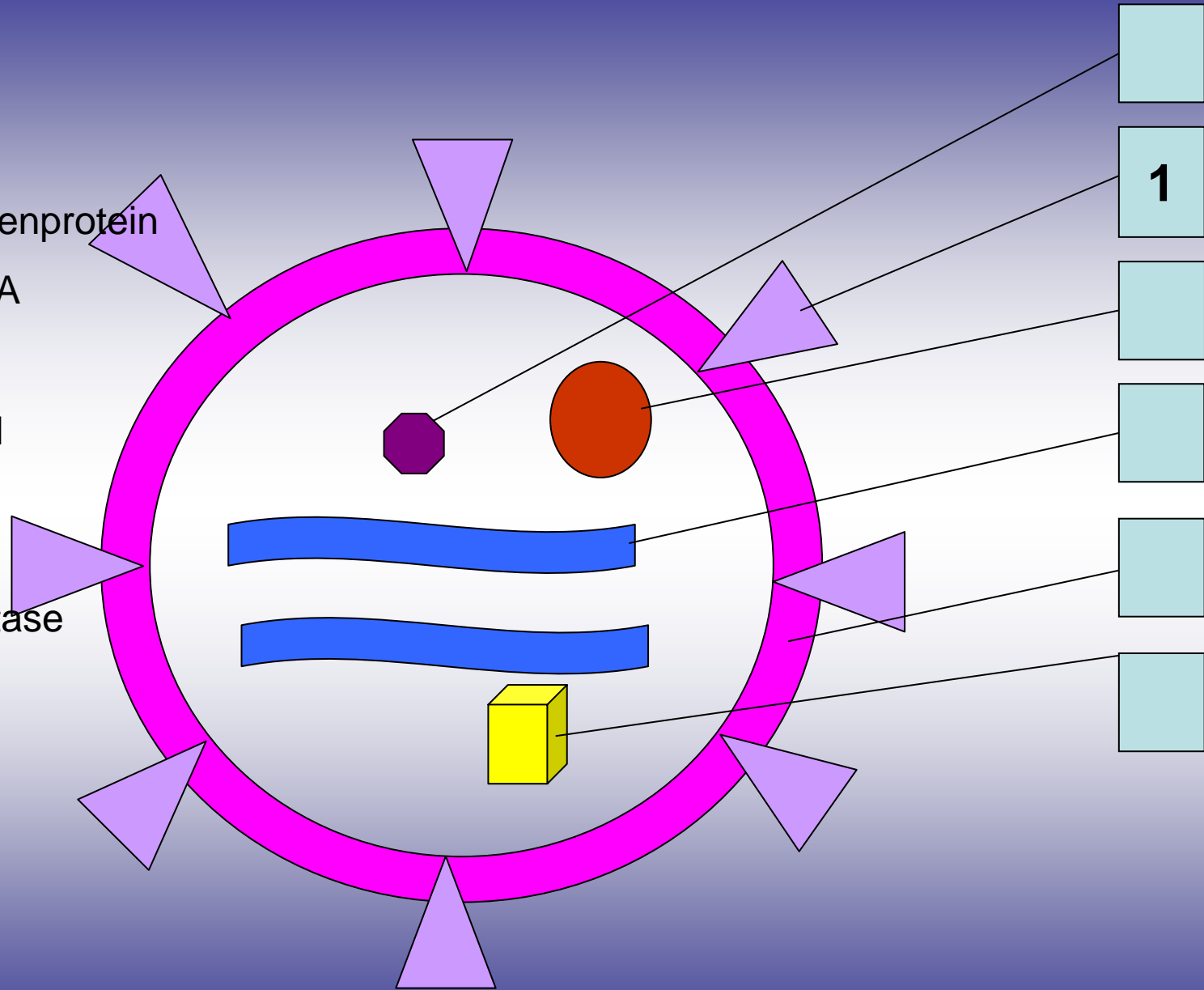
Killerzellen

(Cytotoxic cell)



Das HI-Virus (Retrovirus)

1. Oberflächenprotein
2. Virale RNA
3. Protease
4. Lipidwand
5. Integrase
6. Reverse Transkriptase



Stadieneinteilung nach CDC*

CD 4 Zellzahl

- 1: CD 4 > 500
- 2: CD 4 200 - 499
- 3: CD 4 < 200

Beschwerden

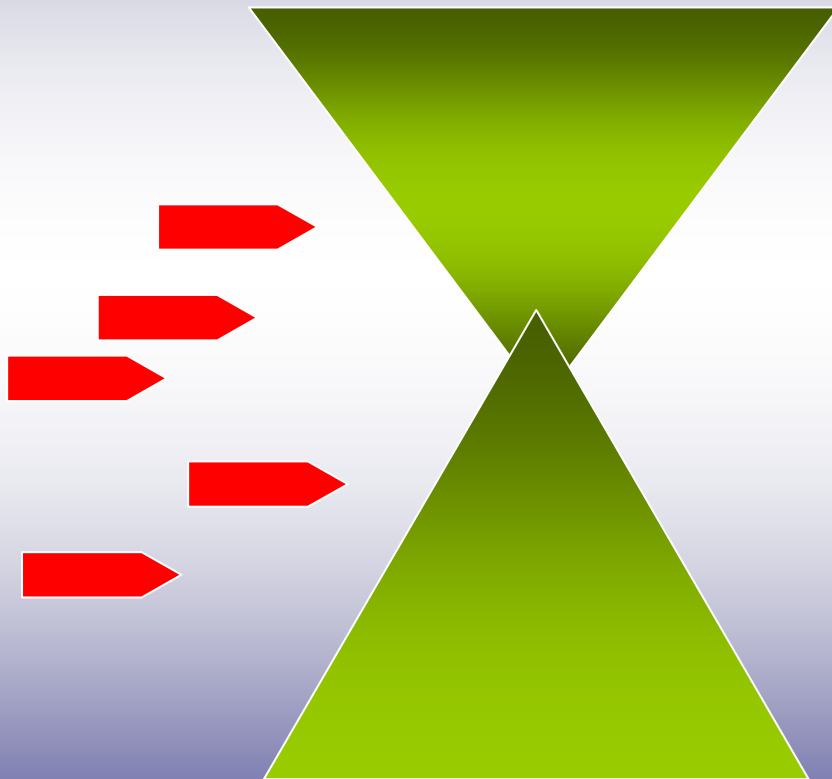
- A: Symptomfrei
- B: Immundefekt
- C: AIDS definierende Erkrankung

Beispiel: CDC A 2 ?

*Center of Disease Controll

Resistenzen

Keine Virusvermehrung



Virusvermehrung

