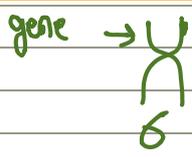


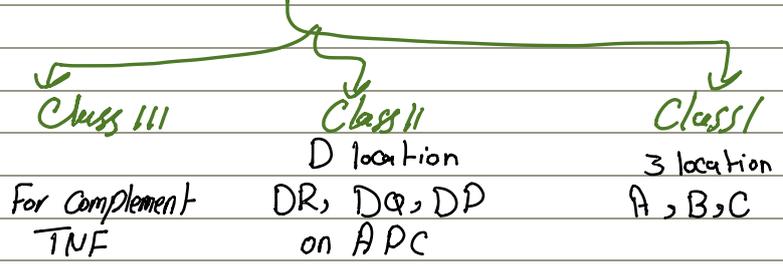
HLA-A*02
 HYP → Separator
 prefix → gene → allele group

Major histocompatibility complex MHC

→ in all nucleated cell
 → large gene
 → positive selection of T cell

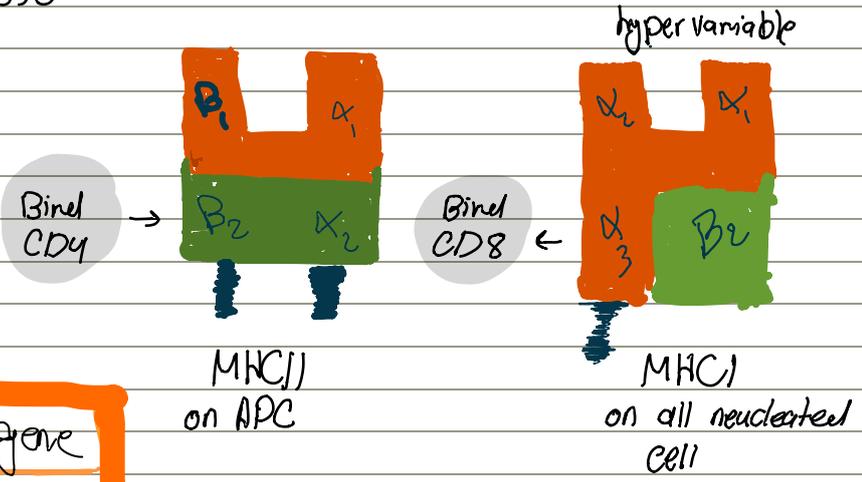


gene Each locus has many alleles



Each person carry 2 Allels
 For the 3 classes (I, II) genes.
 → 6 MHC I, 6 MHC II

- Discriminating self from non self.
- in humoral & cell mediated immunity



MHC I gene	MHC II gene
Present processed Ag. to TC	Present processed Ag. to Th
<ul style="list-style-type: none"> Programmed cell Death. Cell mediated immunity 	Exogenous
Endogenous	
→ intracellular Bacteria & viruses & Cancer	

(Class III MHC gene)
 → protein have immune function
 Complement & inflammatory molecules

Matching share HLA Ag Donor & Recipient identical Ag
Cross-matching - Testing serum of Recipient for Ab against Ag Donor

