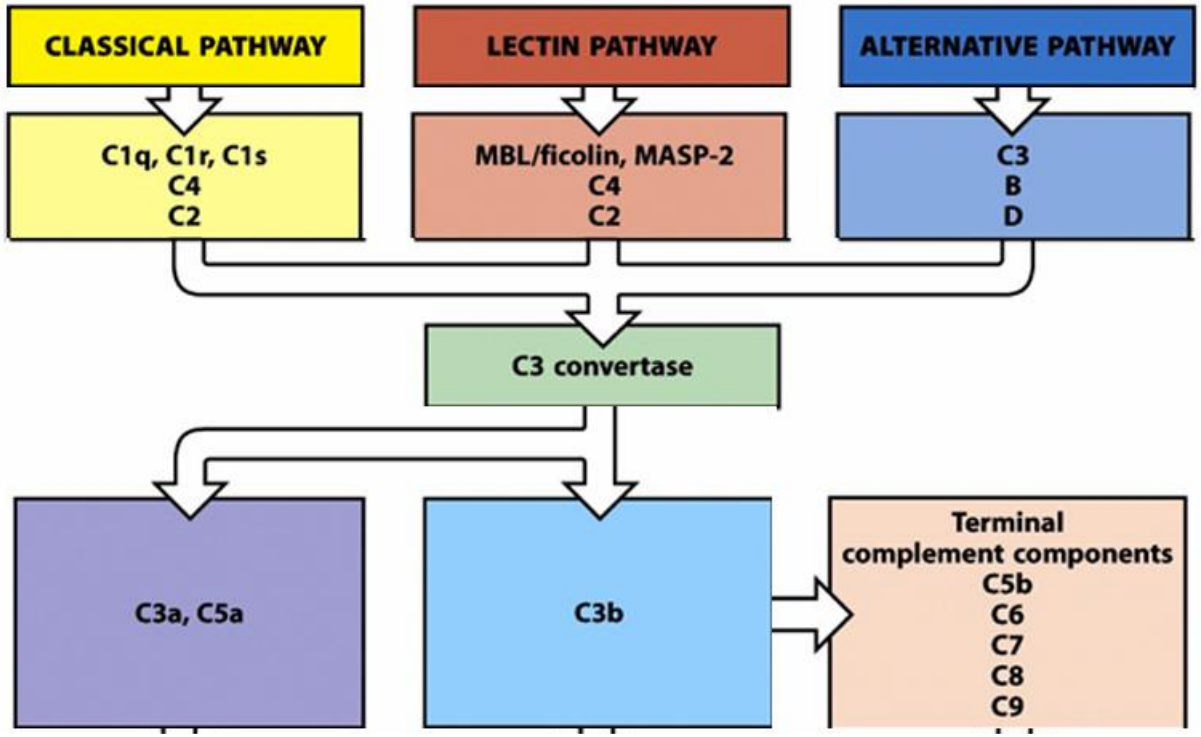
Système du Complément

Introduction

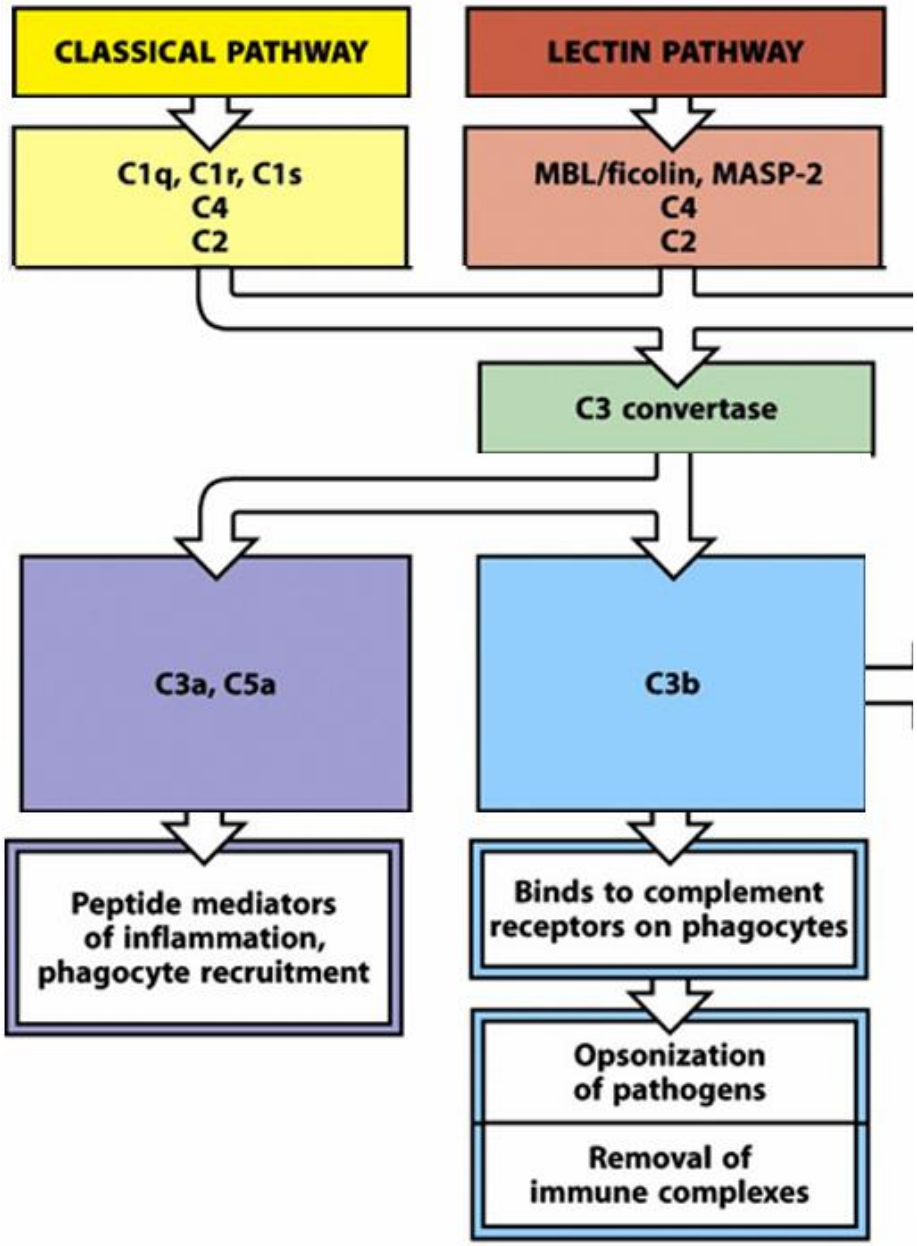
- Plus d'une 30aines à 50aines de molécules solubles (~5% prot plasmatiques) & membranaires
- Réponse immunitaire innée & adaptative
- Implication dans l'inflammation, mais aussi phagocytose, neutralisation des virus, élimination du complexe Ag-Ac, présentation de l'Ag ….
- Monocytes & macrophages; foie et intestin
- Plusieurs sont des zymogènes

Voies du complément

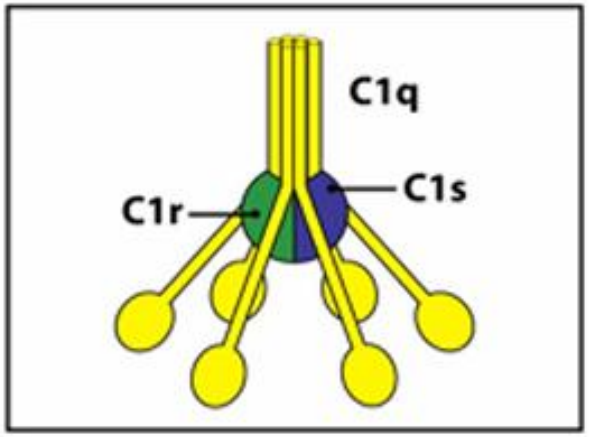


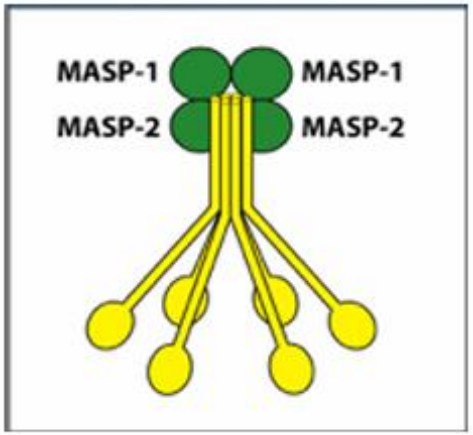
- **Classique** : Liaison du C1q, surface des pathogènes ou mAb, dépendante du Ca2+ Structure Polyanionique / Prot C réactive
- **Lectine** : Déclencher par le MBL Liaison du de C1q,surface des pathogènes ou mAb Mannose / N-acetyglucosamine Prot C réactive
- **Alternative**: Liaison du C3, surface des pathogènes, dépendante du Mg2+

Voies Classique et lectines

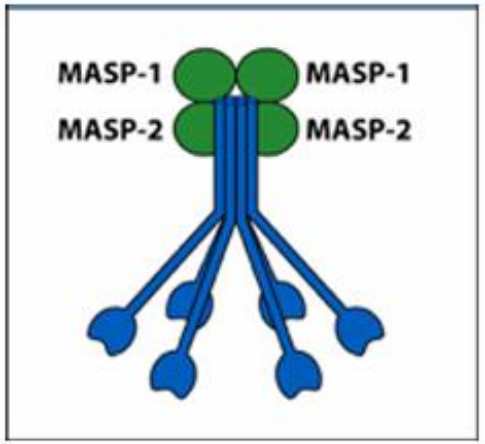


Voies Classique et lectines



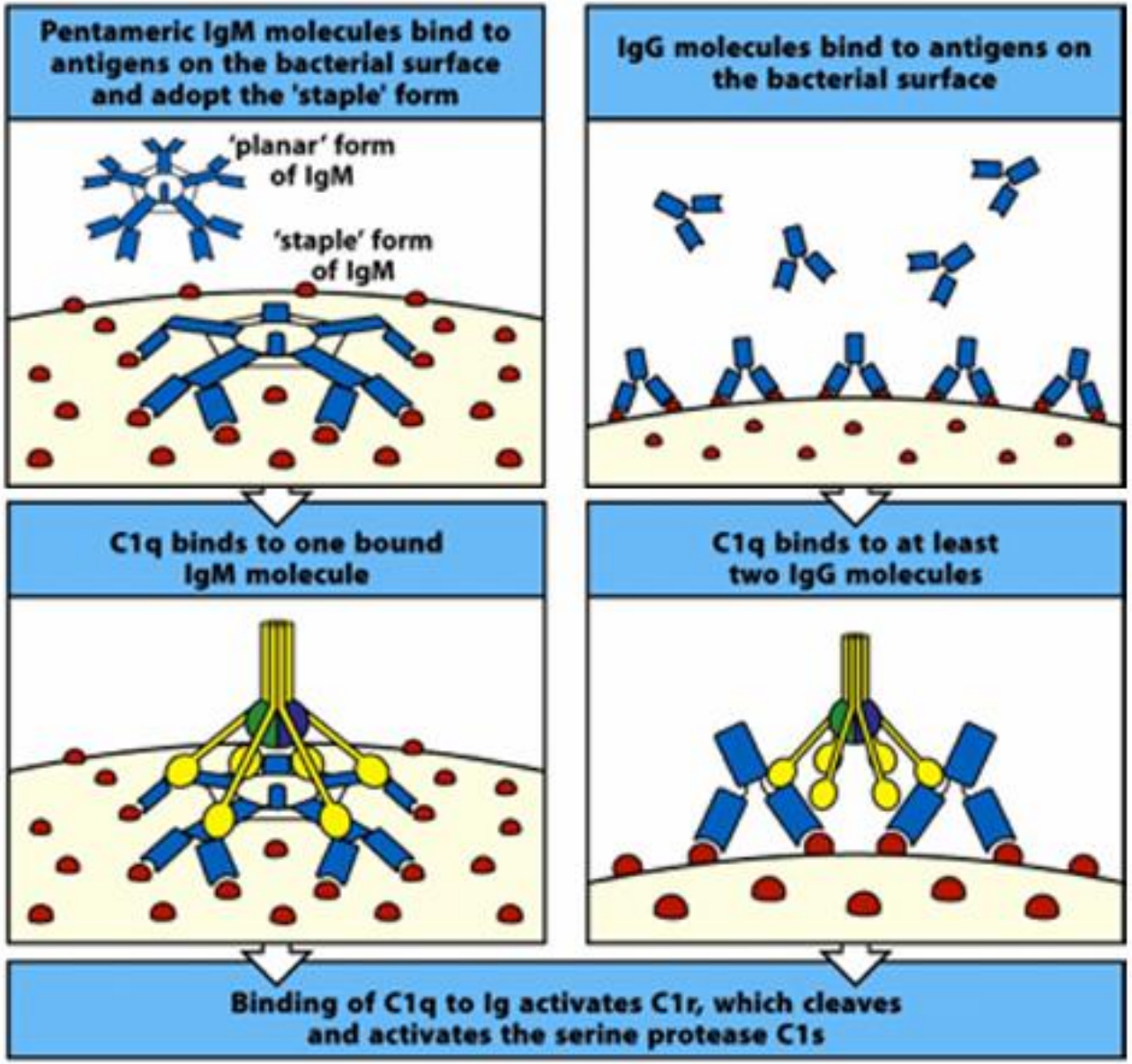


MBL: Domaine de liaison de type *Lectine*

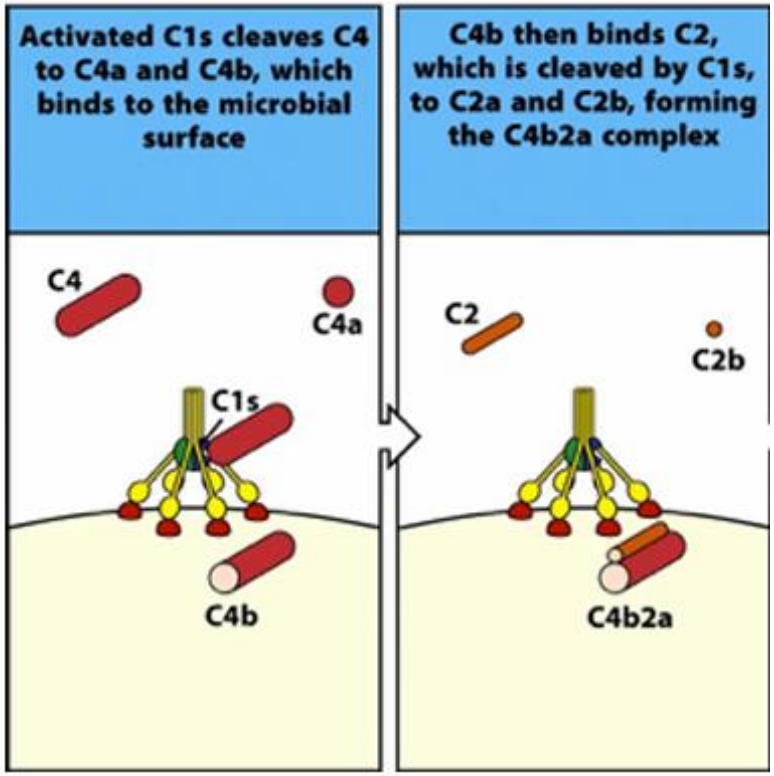


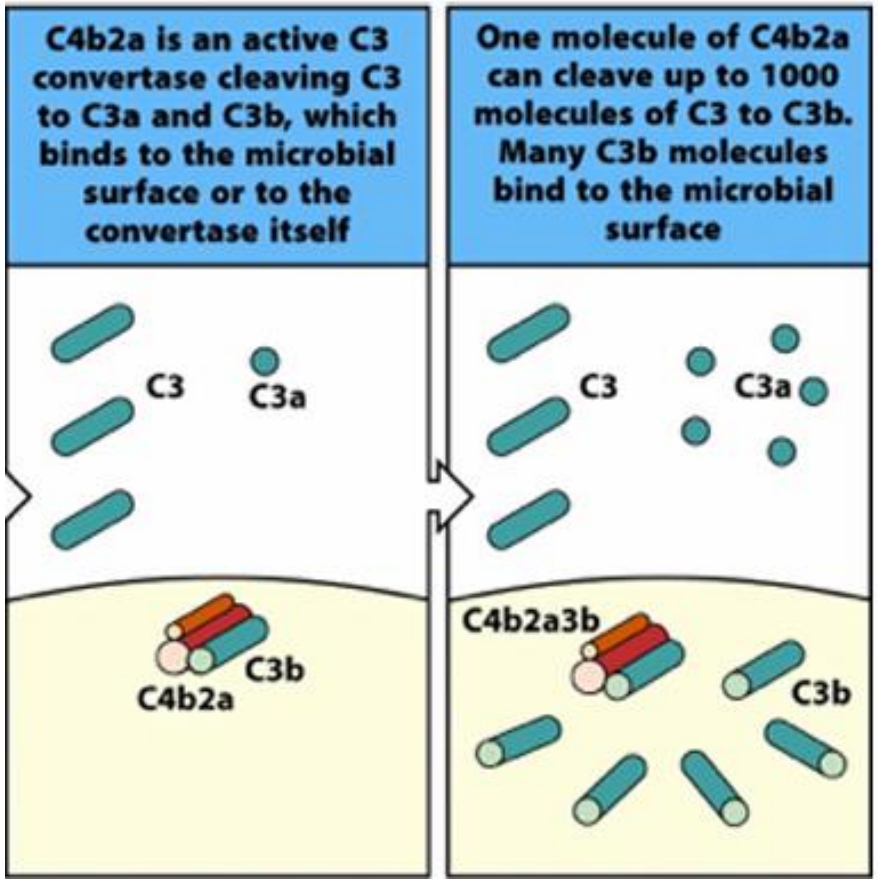
Ficoline: Domaine de liaison de type *Fibrinogène*

Voies Classique et lectines

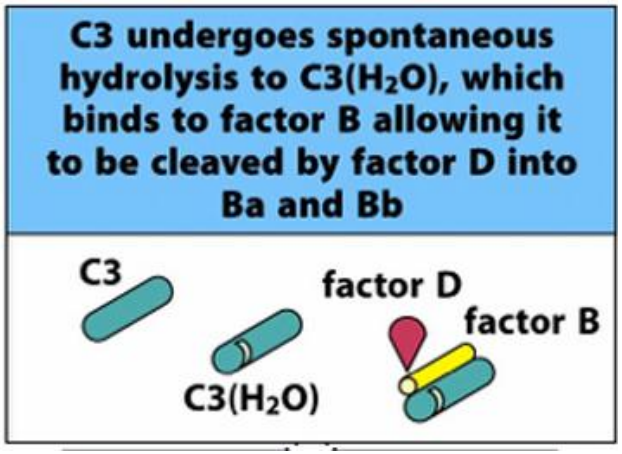


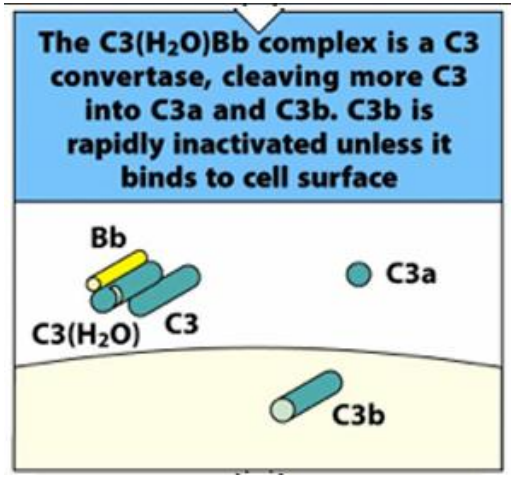
Voies Classique et lectines

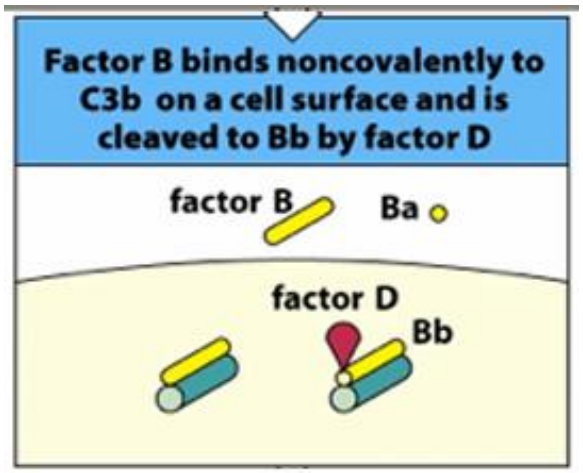


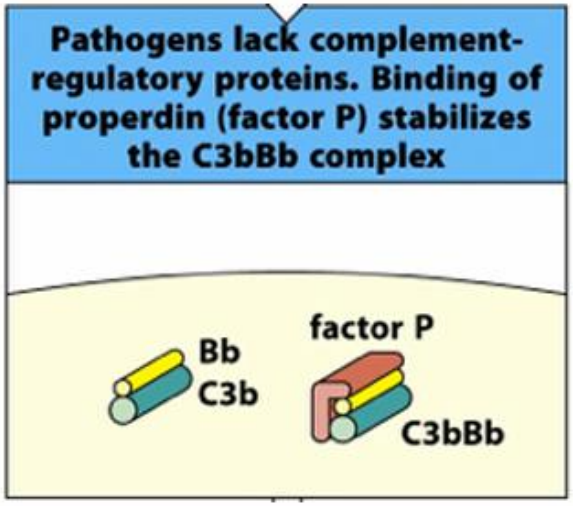


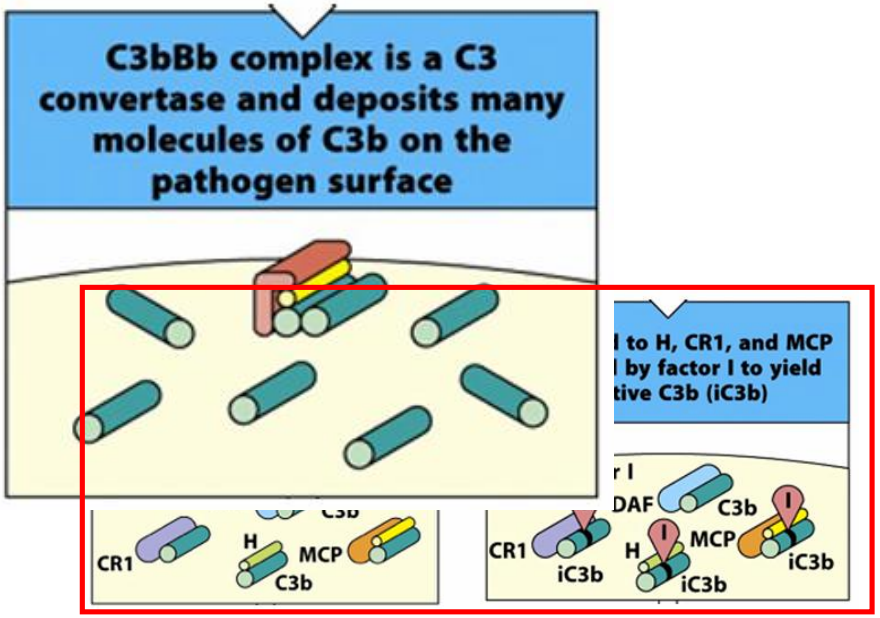
Voie Alternative











Régulation du système du complément