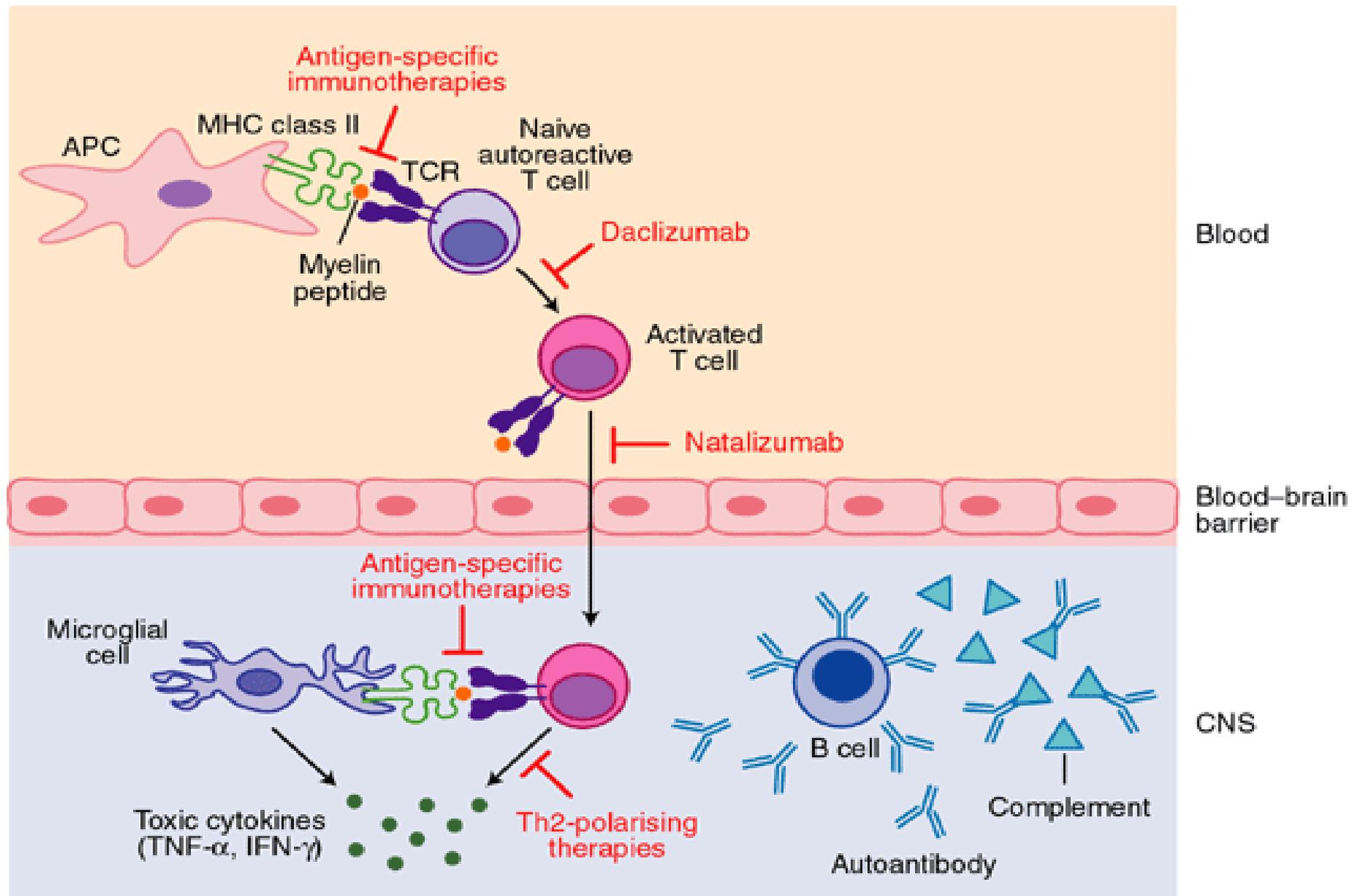


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# Natalizumab – an Overview

# Natalizumab – the basics

- A monoclonal antibody against CAM  $\alpha_4$ -integrin.
  - Prevents inflammatory cell migration across the BBB and from GI absorption
    - USES: MS and Crohns
    - Efficacy: ↓Relaspse in MS symptoms by 68% compared to placebo
    - Administration: IV every 28 days



The pathogenesis of multiple sclerosis (MS) and points of therapeutic intervention

# Natalizumab – Indications / Contraindications

- Indicated as a MONOtherapy for MS
  - As opposed to combination therapy with interferon beta-1a (IB<sub>1A</sub>)
  - SI: PML (approved by FDA in 2004, quickly removed, then returned in 2006.
    - PML – often fatal, caused by JC Virus