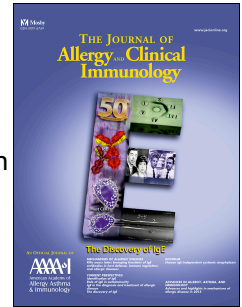


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IL-12 and IL-7 synergise to control MAIT cell cytotoxic responses to bacterial infection

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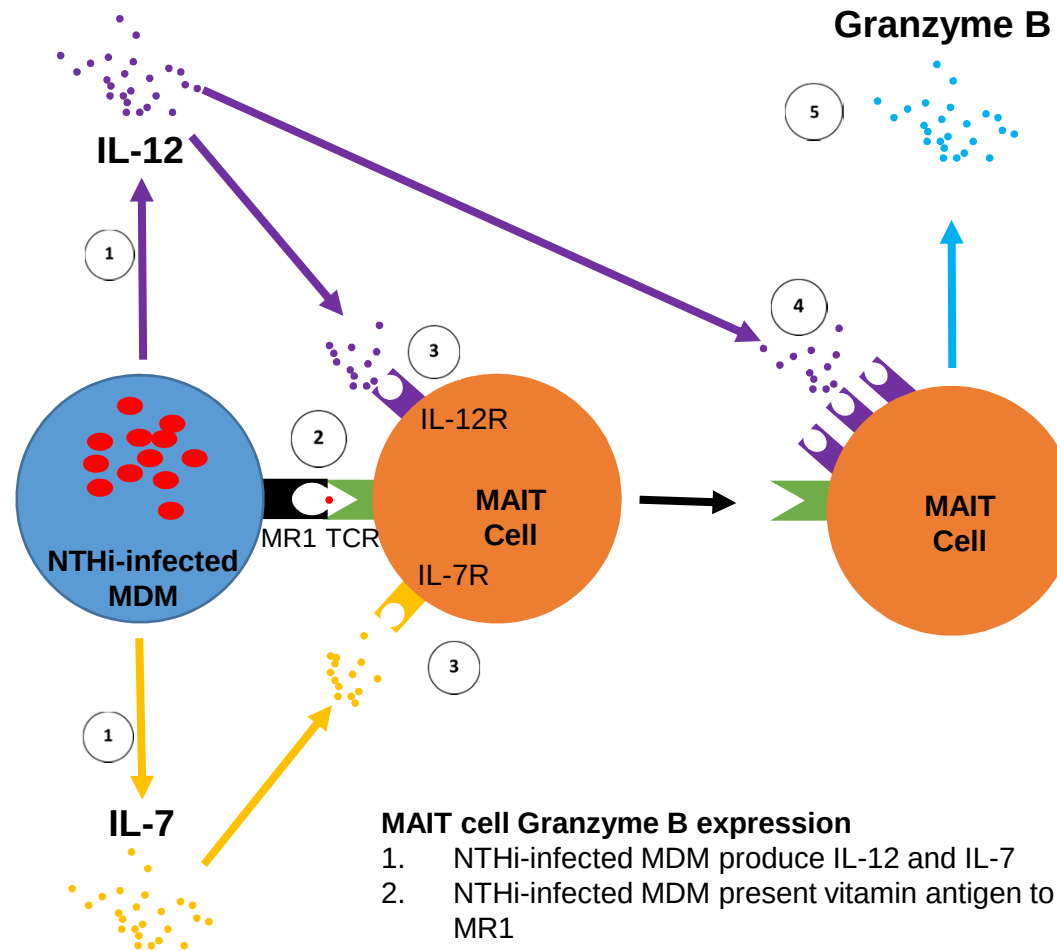
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MAIT cell Granzyme B expression

1. NTHi-infected MDM produce IL-12 and IL-7
2. NTHi-infected MDM present vitamin antigen to MAIT TCR via MR1
3. IL-7 and IL-12 bind to their receptors, causing upregulation of IL-12R and downregulation of IL-7R
4. IL-12 (+ MR1 signal) can then cause granzyme B upregulation
5. Granzyme B is released

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