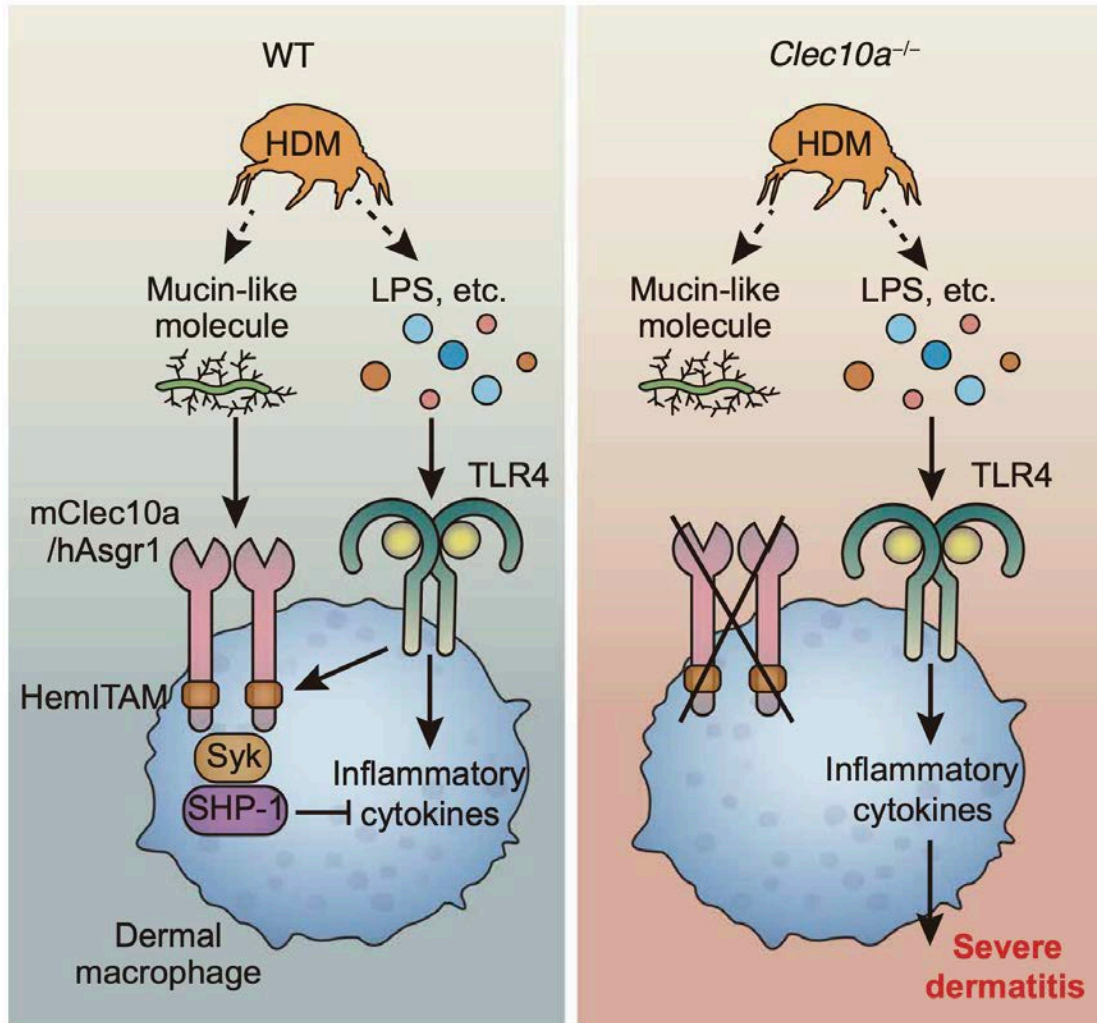


Clec10a regulates mite-induced dermatitis



House dust mite (HDM) is a major allergen that causes allergic diseases such as atopic dermatitis. *Clec10a* in mice inhibits HDM-induced dermatitis. A mucin-like molecule contained in HDM is a ligand for *Clec10a* in mice and *Asgr1* in humans and suppresses TLR4 ligand-induced inflammatory cytokine production from MPs. This study suggests that mouse *Clec10a* and human *Asgr1* play an important role in skin homeostasis against inflammation associated with HDM-induced dermatitis.

Reference: Kanemaru et al., *Science Immunology*. 2019; 4:eaax6908

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