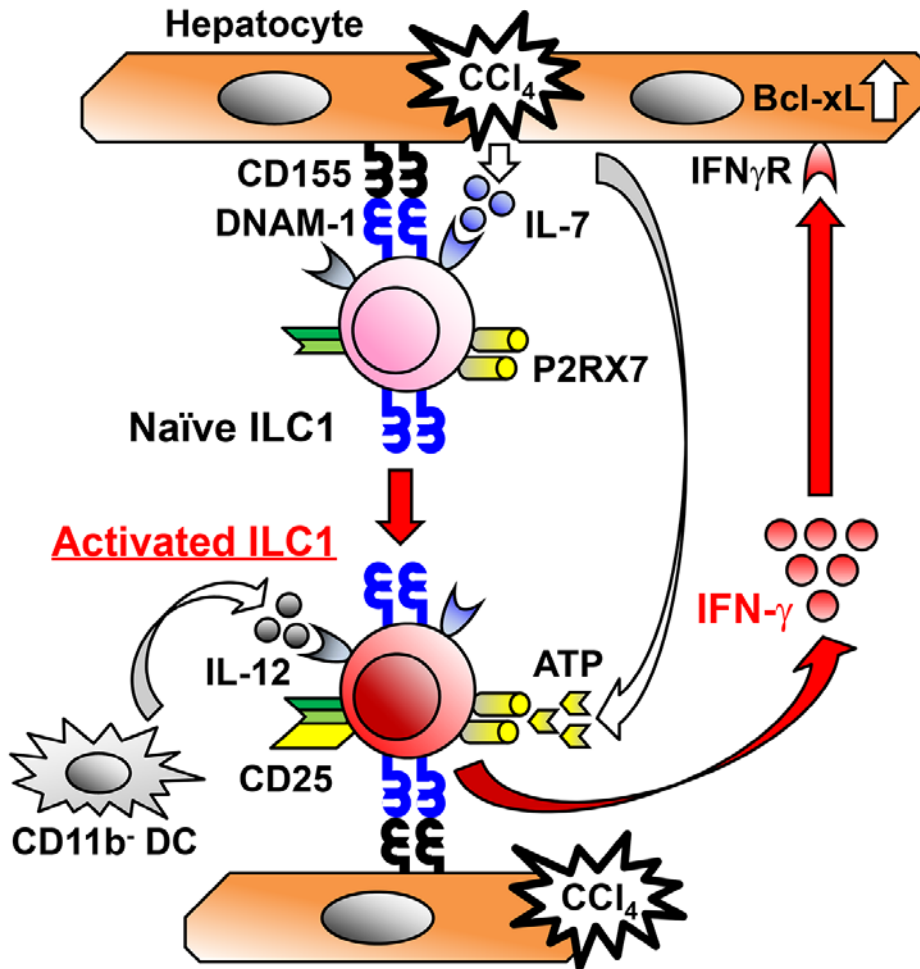


Type 1 innate lymphoid cells protect mice from acute liver injury via interferon- γ secretion



The role of type 1 innate lymphoid cells (ILC1s) in the liver remains poorly investigated. We showed that ILC1 were activated, produced interferon- γ (IFN- γ), and protected mice from carbon tetrachloride-induced acute liver injury. ILC1-derived IFN- γ promoted the survival of hepatocytes through upregulation of Bcl-xL. An activating receptor, DNAM-1, and extracellular ATP are required for the optimal IFN- γ production. These findings suggest that ILC1s are critical for tissue protection during acute liver injury.

References: Nabekura T *et al.*, *Immunity*. 2020;52:96-108.

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