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(54) **Title:** HUMANIZED IL-6 AND IL-6 RECEPTOR

(57) **Abstract:** Mice that comprise a replacement of endogenous mouse IL-6 and/or IL-6 receptor genes are described, and methods for making and using the mice. Mice comprising a replacement at an endogenous IL-6Ra locus of mouse ectodomain- encoding sequence with human ectodomain-encoding sequence is provided. Mice comprising a human IL-6 gene under control of mouse IL-6 regulatory elements is also provided, including mice that have a replacement of mouse IL-6-encoding sequence with human IL-6-encoding sequence at an endogenous mouse IL-6 locus.



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