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- (71) **Applicant:** REGENERON PHARMACEUTICALS, INC. [US/US]; 777 Old Saw Mill River Road, Tarrytown, NY 10591 (US).
- (72) **Inventors:** MACDONALD, Lynn; 16 Gedney Way, White Plains, NY 10605 (US). MURPHY, Andrew, J.; 10 Newton Court, Croton-on-hudson, NY 10520 (US). TU, Naxin; 514 Washington Avenue, Pleasantville, NY 10570 (US). GURER, Cagan; 8 Pamela Lane, Valhalla, NY 10595 (US). VORONINA, Vera; 33 Gramercy Pl., Thornwood, NY 10594 (US). STEVENS, Sean; 355 Berry St. Apt 413, San Francisco, CA 94158 (US).
- (74) **Agent:** ZIPPIN, Margarita; Regeneron Pharmaceuticals, Inc., 777 Old Saw Mill River Road, Tarrytown, NY 10591 (US).

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(54) **Title:** TRANSGENIC MICE EXPRESSING CHIMERIC MAJOR HISTOCOMPATIBILITY COMPLEX (MHC) CLASS II MOLECULES

(57) **Abstract:** The invention provides genetically modified non-human animals that express a humanized MHC II protein (humanized MHC II  $\alpha$  and  $\beta$  polypeptides), as well as embryos, cells, and tissues comprising the same. Also provided are constructs for making said genetically modified animals and methods of making the same. Methods of using the genetically modified animals to study various aspects of human immune system are provided.



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