

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
13 July 2006 (13.07.2006)

PCT

(10) International Publication Number
WO 2006/074228 A1

(51) International Patent Classification:

C07K 16/22 (2006.01) **A61P 9/10** (2006.01)
A61K 39/395 (2006.01) **C07K 14/515** (2006.01)
A61P 3/00 (2006.01)

(74) Agent: STEVENS, Lauren, L.; Finnegan, Henderson, Farabow, Garrett & Dunner LLP, 901 New York Avenue, Washington, DC 20001-4413 (US).

(21) International Application Number:

PCT/US2006/000184

(22) International Filing Date: 6 January 2006 (06.01.2006)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

60/642,022 7 January 2005 (07.01.2005) US

(71) Applicant (for all designated States except US): **LEX-ICON GENETICS INCORPORATED** [US/US]; 8800 Technology Forest Place, The Woodlands, TX 77381-1160 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **LEE, E-chiang** [CN/US]; 3 White Wing Court, The Woodlands, Texas 77382 (US). **LANDES, Gregory, M.** [US/US]; 87 Lenox Hill Drive, The Woodlands, Texas 77382 (US). **CHUNG, Kyu** [US/US]; 150 S. Queenscliff Circle, The Woodlands, Texas 77382 (US). **CHEN, Ling** [US/US]; 203 Oakmont Drive, Blue Bell, Pennsylvania 19422 (US). **DESAI, Urvi** [IN/US]; 14 Columnberry Court, The Woodland, Texas 77384 (US). **POWELL, David, Reed** [US/US]; 5327 Stillbrooke, Houston, Texas 77096 (US). **HONG, Seokjoo** [KR/US]; 11 Heron Hollow Court, The Woodlands, Texas 77382 (US).

(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MONOCLONAL ANTIBODIES AGAINST ANGIOPOIETIN-LIKE PROTEIN 4 (ANGPTL4)

(57) Abstract: Monoclonal antibodies that specifically bind to ANGPTL4 are provided. Monoclonal antibodies that neutralize at least one activity of ANGPTL4 are provided. Methods of treating a disorder of lipid metabolism using neutralizing monoclonal antibodies are provided.

WO 2006/074228 A1