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(71) Applicant *(for all designated States except US)*: **MEDAREX, INC.** [US/US]; 707 State Road, Princeton, NJ 08540-1437 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **CARDARELLI, Josephine, M.** [US/US]; 126 Leslie Drive, San Carlos, CA 94070 (US). **CHEN, Tseng-hui, Timothy** [US/US]; 8 Davis Court, Burlingame, CA 94010 (US). **KING, David** [US/US]; 1744 Terrace Drive, Belmont, CA 94002 (US). **BEBBINGTON, Christopher, R.** [GB/US]; 132 Avila Road, San Mateo, CA 94402 (US). **POGUE, Sarah, Lee** [US/US]; 5471 Midday Commons, Fremont, CA 94402 (US). **CARR, Francis, J.** [GB/GB]; Birchlea, The Holdings, Balmedie Aberdeenshire AB23 8XU (GB). **WILLIAMS, Stephen** [GB/GB]; Blavenie House, Alford Aberdeenshire AB33 8HJ (GB).

(74) Agents: **SACHDEVA, Gurjeev, K.** et al.; Dorsey & Whitney LLP, 4 Embarcadero Center, Suite 3400, San Francisco, CA 94111 (US).

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[Continued on next page]

(54) Title: HUMANIZED ANTIBODIES TO INTERFERON ALPHA RECEPTOR-1 (IFNAR-1)

A: 64G12 VH

QVTLKESGPGILKPSQTLSLTCSFSGFSLSTSGMGIGWIRQPSGKGLEWLAHIWWDDDKYYNPSLKSQLTISRDTST
NQVFLNITSVDTVDTATYYCGRNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:7)

B: H2

QVTLKESGPALVKPTQTLTLTCTFSGFSLSTSGMGIGWIRQPPGKALEWLAHIWWDDDKYYNPSLKSRLTISRDTSK
NQVVLTMTNMDPVDTATYYCGRNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:8)

C: H2-C3

QVTLKESGPALVKPTQTLTLTCTFSGFSLSTSGMRVSWIRQPPGKALEWLARIDWDDDKFYSTSLKTRLTISRDTSK
NQVVLTMTNMDPVDTATYYCGRNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:9)

D: H3

EVQLVESGGGLVQPGGSLRLSCAFSGFTLSTSGMGIGWVRQAPGKCLEWVAHIWWDDDKYYNPSLKSRFTISRDT
SKNTVYLQMNSLRAEDTAVYYCARNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:10)

E: M3

EVQLLESGGGLVQPGGSLRLSCAFSGFTLSTSGMGIGWVRQAPGKGLEWVAHIWWDDDKYYNPSLKSRFTISRDT
SKNTVYLQMNSLRAEDTAVYYCARNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:11)

F: M3-4

EVQLLESGGGLVQPGGSLRLSCAFSGFTLSTSGMGIGWVRQAPGKGLEWVAHIWWDDDKYYNPSLKSRFTISRDT
SKNTVYLQMNSLRAEDTAVYYCARNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:12)

G: M3-11

EVQLLESGGGLVQPGGSLRLSCAFSGFTLSTSGMGIGWVRQAPGKGLEWVAHIWWDDDKYYNPSLKSRFTISRDT
SKNTVYLQMNSLRAEDTAVYYCARNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:13)

H: M3-A

EVQLLESGGGLVQPGGSLRLSCAFSGFTLSTSGAGIGWVRQAPGKGLEWVAHIWWDDDKYYNPSLKSRFTISRDTS
KNTVYLQMNSLRAEDTAVYYCARNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:14)

I: M3-B

EVQLLESGGGLVQPGGSLRLSCAFSGFTLSTSGMGIGWVRQAPGKGLEWVAHIWWDDDKYYNPSLKARFTISRDT
SKNTVYLQMNSLRAEDTAVYYCARNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:15)

J: M3-A/B

EVQLLESGGGLVQPGGSLRLSCAFSGFTLSTSGAGIGWVRQAPGKGLEWVAHIWWDDDKYYNPSLKARFTISRDTS
KNTVYLQMNSLRAEDTAVYYCARNYYPYDAWFDYWGQGTLVTVS (SEQ ID NO:16)

(57) Abstract: Humanized monoclonal antibodies which bind to IFNAR-1, and related antibody-based compositions and molecules, are disclosed. Also disclosed are pharmaceutical compositions comprising the humanized antibodies and therapeutic and diagnostic methods for using the humanized antibodies.

WO 2004/094473 A2

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