



- (51) International Patent Classification:
A61K 39/095 (2006.01)
- (21) International Application Number:
PCT/US2014/049465
- (22) International Filing Date:
1 August 2014 (01.08.2014)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
61/861,662 2 August 2013 (02.08.2013) US
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- (81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY,
BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DK, DM,
DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT,
HN, HR, HU, ID, IL, IN, IR, IS, JP, KE, KG, KN, KP, KR,
KZ, LA, LC, LK, LR, LS, LT, LU, LY, MA, MD, ME,
MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ,
OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA,
SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM,
ZW.
- (84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,

[Continued on next page]

(54) Title: NON-NATURALLY OCCURRING FACTOR H BINDING PROTEINS (FHBP) AND METHODS OF USE THEREOF

(57) Abstract: Non-naturally occurring factor H binding proteins derived from variant 3 fHbp that can elicit antibodies that are bactericidal for at least one strain of *N. meningitidis*, and methods of use of such proteins, are provided. In certain embodiments, a non-naturally occurring factor H binding protein (fHbp) derived from a naturally occurring variant 3 fHbp is disclosed. The non-naturally fHbp may include a substitution of the histidine at position 223 of the naturally occurring variant 3 fHbp with an amino acid selected from the group consisting of arginine, lysine, phenylalanine, tyrosine, or tryptophan, wherein the numbering of position 223 is based on the numbering of the mature fHbp ID 1. The non-naturally occurring fHbp may have a lower affinity for human factor H (fH) than fHbp ID 79.

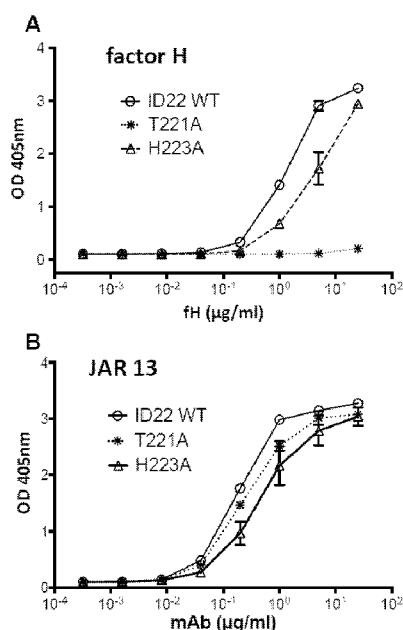


FIGURE 3



MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK,
SM, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ,
GW, KM, ML, MR, NE, SN, TD, TG).

— *before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments (Rule 48.2(h))*

Published:

— *with international search report (Art. 21(3))*