

SEQUENCE LISTING

<110> InflaRx GmbH

<120> TREATMENT OF INFLAMMATORY DISEASES WITH INHIBITORS OF C5A
ACTIVITY

<130> 680-17 PCT

<150> EP 17177657.8

<151> 2017-06-23

<150> EP 17189938.8

<151> 2017-09-07

<160> 34

<170> PatentIn version 3.5

<210> 1

<211> 74

<212> PRT

<213> Homo sapiens

<400> 1

Thr	Leu	Gln	Lys	Lys	Ile	Glu	Glu	Ile	Ala	Ala	Lys	Tyr	Lys	His	Ser
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Val	Val	Lys	Lys	Cys	Cys	Tyr	Asp	Gly	Ala	Cys	Val	Asn	Asn	Asp	Glu
			20					25					30		

Thr	Cys	Glu	Gln	Arg	Ala	Ala	Arg	Ile	Ser	Leu	Gly	Pro	Arg	Cys	Ile
		35					40					45			

Lys	Ala	Phe	Thr	Glu	Cys	Cys	Val	Val	Ala	Ser	Gln	Leu	Arg	Ala	Asn
	50					55					60				

Ile	Ser	His	Lys	Asp	Met	Gln	Leu	Gly	Arg
65					70				

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<211> 9

<212> PRT

<213> Homo sapiens

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Asn	Asp	Glu	Thr	Cys	Glu	Gln	Arg	Ala
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Ser His Lys Asp Met Gln Leu
1 5

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Asp Glu Thr Cys Glu Gln Arg
1 5

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<400> 5

His Lys Asp Met Gln
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<212> PRT
<213> Artificial Sequence

<220>
<223> IFX-1 CDR3 heavy chain

<400> 6

Cys Ala Arg Gly Asn Asp Gly Tyr Tyr Gly Phe Ala Tyr
1 5 10

<210> 7
<211> 15
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<220>
<223> INab708 CDR3 heavy chain

<400> 7

Cys Thr Arg Arg Gly Leu Tyr Asp Gly Ser Ser Tyr Phe Ala Tyr
1 5 10 15

<210> 8
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Cys	Gln	Gln	Ser	Asn	Glu	Asp	Pro	Tyr	Thr
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Cys	Gln	Gln	Asn	Asn	Glu	Asp	Pro	Leu	Thr
1				5					10

<210> 10
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<212> PRT
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<220>
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<400> 10

Ile	Asp	Pro	Ser	Asp	Ser	Glu	Ser	Arg	Leu	Asp	Gln
1				5					10		

<210> 11
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<212> PRT
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<400> 11

Ile	Leu	Pro	Gly	Ser	Gly	Ser	Thr	Asn	Tyr	Asn	Glu
1				5					10		

<210> 12

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Ile Tyr Ala Ala Ser Asn Leu
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<400> 13

Ile Tyr Ala Ala Ser Asn Leu
1 5

<210> 14
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<400> 14

Cys Lys Ala Ser Gly Tyr Ser Phe Thr Thr Phe Trp Met Asp
1 5 10

<210> 15
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<400> 15

Cys Lys Ala Thr Gly Asn Thr Phe Ser Gly Tyr Trp Ile Glu
1 5 10

<210> 16
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<400> 16

Cys	Lys	Ala	Ser	Gln	Ser	Val	Asp	Tyr	Asp	Gly	Asp	Ser	Tyr	Met	Lys
1				5				10						15	

<210> 17

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<212> PRT

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<400> 17

Cys	Lys	Ala	Ser	Gln	Ser	Val	Asp	Tyr	Asp	Gly	Asp	Ser	Tyr	Met	Asn
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<210> 18

<211> 21

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<400> 18

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1				5				10						15	

Ser	Val	Lys	Ile	Ser
			20	

<210> 19

<211> 15

<212> PRT

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<223> IFX-1 FR2 heavy chain

<400> 19

Trp	Val	Lys	Gln	Arg	Pro	Gly	Gln	Gly	Leu	Glu	Trp	Ile	Gly	Arg
1				5				10					15	

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<211> 33
<212> PRT
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Arg Phe Lys Asp Arg Ala Thr Leu Thr Val Asp Lys Ser Ser Ser Thr
1 5 10 15

Val Tyr Met Gln Leu Ser Ser Pro Thr Ser Glu Asp Ser Ala Val Tyr
20 25 30

Tyr

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<400> 21

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ser
1 5 10

<210> 22
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<212> PRT
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<223> IFX-1 FR1 light chain

<400> 22

Asp Ile Val Leu Thr Gln Ser Pro Ala Ser Leu Ala Val Ser Leu Gly
1 5 10 15

Gln Arg Ala Thr Ile Ser
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<210> 23
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<223> IFX-1 FR2 light chain

<400> 23

Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Pro	Pro	Lys	Leu	Leu
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<210> 24

<211> 33

<212> PRT

<213> Artificial Sequence

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<223> IFX-1 FR3 light chain

<400> 24

Gln	Ser	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp
1				5					10					15	

Phe	Thr	Leu	Asn	Ile	His	Pro	Val	Glu	Glu	Glu	Asp	Ala	Ala	Thr	Tyr
			20					25					30		

Tyr

<210> 25

<211> 10

<212> PRT

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<223> IFX-1 FR4 light chain

<400> 25

Phe	Gly	Gly	Gly	Thr	Lys	Leu	Glu	Ile	Lys
1				5					10

<210> 26

<211> 20

<212> PRT

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<400> 26

Val	Gln	Leu	Leu	Glu	Ser	Gly	Ala	Glu	Leu	Met	Lys	Pro	Gly	Ala	Ser
1				5					10					15	

Val Lys Ile Ser
20

<210> 27
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<212> PRT
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<220>
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<400> 27

Trp Val Lys Gln Arg Pro Gly His Gly Leu Glu Trp Ile Gly Glu
1 5 10 15

<210> 28
<211> 33
<212> PRT
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<223> INab708 FR3 heavy chain

<400> 28

Lys Phe Lys Gly Lys Ala Thr Leu Thr Ala Asp Thr Ser Ser Asn Thr
1 5 10 15

Ala Tyr Met Gln Leu Ser Ser Leu Thr Ser Glu Asp Ser Ala Val Tyr
20 25 30

Tyr

<210> 29
<211> 11
<212> PRT
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<223> INab708 FR4 heavy chain

<400> 29

Trp Gly Gln Gly Thr Leu Val Thr Val Ser Ala
1 5 10

<210> 30
<211> 22
<212> PRT

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<400> 30

Asp	Ile	Val	Leu	Thr	Gln	Ser	Pro	Ala	Ser	Leu	Ala	Val	Ser	Leu	Gly
1				5					10					15	

Gln	Arg	Ala	Thr	Ile	Ser
			20		

<210> 31

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<212> PRT

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<223> INab708 FR2 light chain

<400> 31

Trp	Tyr	Gln	Gln	Lys	Pro	Gly	Gln	Pro	Pro	Lys	Leu	Leu
1				5				10				

<210> 32

<211> 33

<212> PRT

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<400> 32

Gly	Ser	Gly	Ile	Pro	Ala	Arg	Phe	Ser	Gly	Ser	Gly	Ser	Gly	Thr	Asp
1				5					10					15	

Phe	Thr	Leu	Asn	Ile	His	Pro	Val	Glu	Glu	Glu	Val	Ala	Ala	Thr	Tyr
			20					25					30		

Tyr

<210> 33

<211> 10

<212> PRT

<213> Artificial Sequence

<220>

<223> INab708 FR4 light chain

<400> 33

Phe Gly Ala Gly Thr Leu Leu Glu Leu Lys
1 5 10

<210> 34

<211> 40

<212> RNA

<213> Artificial Sequence

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<223> pegylated mixed L-RNA/DNA-aptamer NOX-D21

<220>

<221> misc_feature

<222> (1)..(1)

<223> substituted by 40 kDaPEG-aminohexyl-

<220>

<221> misc_feature

<222> (7)..(7)

<223> desoxy uridine

<220>

<221> misc_feature

<222> (28)..(28)

<223> desoxy uridine

<220>

<221> misc_feature

<222> (38)..(38)

<223> desoxy cytidine

<400> 34

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40