SEQUENCE LISTING

<110> Bedlinger, et al.

<120> ANTIBODIES SPECIFIC FOR TGF-BETA

<130> 27129/45863

<150> 61/493,230
<151> 2011-06-03

<160> 30

<170> PatentIn version 3.5

<210> 1
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic nucleotide

<220>
<221> misc_feature
<223> Clone XPA.42.068 heavy chain

<400> 1
caggttcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtc 60

tcctgcaagg cttctggata caccttcacc ggctactata tgcactgggt gcgacaggcc 120

cctggacaag ggcttgagtg gatgggatgg atcaacccta acactggtgg cacaaactat 180

gcacagaagt ttcagggcag ggtcaccatg accagggaca cgtccatcag cacagcctac 240

atggagctga gcaggctgag atctgacgac acggccgttt attactgtgc gagatcattc 300

ctgtggctgg ttccctctga tgcttttgat atctggggcc aagggacaat ggtcaccgtc 360

tcttca 366

<210> 2
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.068 heavy chain

<220>
<221> MISC_FEATURE
<222> (26)..(33)
<223> H-CDR1

<220>
<221> MISC_FEATURE

<222> (51)..(58)
<223> H-CDR2

<220>
<221> MISC_FEATURE
<222> (97)..(111)
<223> H-CDR3

<400> 2

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
            20   25   30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35   40   45

Gly Trp Ile Asn Pro Asn Thr Gly Gly Thr Asn Tyr Ala Gln Lys Phe
    50   55   60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65   70   75   80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
                85   90   95

Ala Arg Ser Phe Leu Trp Leu Val Pro Ser Asp Ala Phe Asp Ile Trp
            100   105   110

Gly Gln Gly Thr Met Val Thr Val Ser Ser
        115   120

<210> 3
<211> 327
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic nucleotide

<220>
<221> misc_feature
<223> Clone XPA.42.068 light chain

<400> 3
tcttctgagc tgactcagcc accctcagtg tccgtggccc caggagagaa ggccaggatt 60

acctgtgggg ggaataacat tggacgtaaa agtgtacatt ggtaccagca gaggccaggc 120

caggcccctg ttgtggtcct ctactatgat agagtcagac cctcagggat ccctgagcga 180

ttttctggct ccaactctgg gaacacggcc accctgacca tcaccagggt cgaagccggg 240

gatgaggccg actatttttg tcaggtgtgg gataacacta gtgagcatgt ggtcttcggc 300

ggaggcaccc agctgaccgt cctaggc 327

<210> 4
<211> 109
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.068 light chain

<220>
<221> MISC_FEATURE
<222> (26)..(31)
<223> L-CDR1

<220>
<221> MISC_FEATURE
<222> (49)..(51)
<223> L-CDR2

<220>
<221> MISC_FEATURE
<222> (88)..(97)
<223> L-CDR3

<400> 4

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

Lys Ala Arg Ile Thr Cys Gly Gly Asn Asn Ile Gly Arg Lys Ser Val
20 25 30

His Trp Tyr Gln Gln Arg Pro Gly Gln Ala Pro Val Val Leu Tyr
35 40 45

Tyr Asp Arg Val Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Gly Ser
50 55 60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Thr Arg Val Glu Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Phe Cys Gln Val Trp Asp Asn Thr Ser Glu His
85 90 95

Val Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu Gly
100 105

<210> 5

<211> 363
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic nucleotide

<220>
<221> misc_feature
<223> Clone XPA.42.089 heavy chain

<400> 5
caggtgcagc tggtacagtc tggggctgag gtgaagaagc ctgggtcctc ggtgaaggtc 60

tcctgcaagg cttctggagg caccttcagc agctatgcta tcagctgggt gcgacaggcc 120

cctggacaag ggcttgagtg gatgggaggg atcatcccta tctttggtac agcaaactac 180

gcacagaagt tccagggcag agtcacgatt accgcggacg aatccacgag cacagcctac 240

atggagctga gcagcctgag atctgaggac acggccgtgt attactgtgc gaggggacta 300

tgggaggttc gggcccttcc gtcggtctac tggggccagg gaaccctggt caccgtctcc 360

tca 363

<210> 6
<211> 121
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.089 heavy chain

<220>
<221> MISC_FEATURE
<222> (26)..(33)
<223> H-CDR1

<220>
<221> MISC_FEATURE
<222> (51)..(58)
<223> H-CDR2

<220>
<221> MISC_FEATURE
<222> (97)..(110)
<223> H-CDR3

<400> 6

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Gly Thr Phe Ser Ser Tyr
20 25 30

```
Ala Ile Ser Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
        35                  40                  45

Gly Gly Ile Ile Pro Ile Phe Gly Thr Ala Asn Tyr Ala Gln Lys Phe
    50                  55                  60

Gln Gly Arg Val Thr Ile Thr Ala Asp Glu Ser Thr Ser Thr Ala Tyr
65                  70                  75                  80

Met Glu Leu Ser Ser Leu Arg Ser Glu Asp Thr Ala Val Tyr Tyr Cys
                85                  90                  95

Ala Arg Gly Leu Trp Glu Val Arg Ala Leu Pro Ser Val Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
        115                 120
```

<210> 7
<211> 327
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic nucleotide

<220>
<221> misc_feature
<223> Clone XPA.42.089 light chain

<400> 7
tcctatgagc tgacacagcc accctcagtg tccgtggccc cgggacagac ggccagaatt 60

acctgtgggg caaatgacat tggaagtaaa agtgtccact ggtaccagca gaaggcaggc 120

caggcccctg tactggtcgt ctctgaagat atcatccggc cctcagggat ccctgagcga 180

atctctggct ccaactctgg gaacacggcc accctgacca tcagcagggt cgaagccggg 240

gatgaggccg actattactg tcaagtttgg gatagggata gtgatcaata tgtctttgga 300

actgggacca aggtcaccgt cctaggc 327

<210> 8
<211> 109
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE

<223> Clone XPA.42.089 light chain

<220>
<221> MISC_FEATURE
<222> (26)..(31)
<223> L-CDR1

<220>
<221> MISC_FEATURE
<222> (49)..(51)
<223> L-CDR2

<220>
<221> MISC_FEATURE
<222> (88)..(97)
<223> L-CDR3

<400> 8

Ser Tyr Glu Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Gln
1 5 10 15

Thr Ala Arg Ile Thr Cys Gly Ala Asn Asp Ile Gly Ser Lys Ser Val
20 25 30

His Trp Tyr Gln Gln Lys Ala Gly Gln Ala Pro Val Leu Val Val Ser
35 40 45

Glu Asp Ile Ile Arg Pro Ser Gly Ile Pro Glu Arg Ile Ser Gly Ser
50 55 60

Asn Ser Gly Asn Thr Ala Thr Leu Thr Ile Ser Arg Val Glu Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Arg Asp Ser Asp Gln
85 90 95

Tyr Val Phe Gly Thr Gly Thr Lys Val Thr Val Leu Gly
100 105

<210> 9
<211> 366
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic nucleotide

<220>
<221> misc_feature
<223> Clone XPA.42.681 heavy chain

<400> 9
caggttcagc tggtgcagtc tggggctgag gtgaagaagc ctggggcctc agtgaaggtc 60

tcctgcaagg cttctggata caccttcacc ggctactata tgcactgggt gcgacaggcc 120

cctggacaag ggcttgagtg gatgggatgg atcaacccta acactggtgg cacaaactat 180

gcacagaagt ttcagggcag ggtcaccatg accagggaca cgtccatcag cacagcctac 240

atggagctga gcaggctgag atctgacgac acggccgttt attactgtgc gagatcattc 300

ctgtggctgg ttccctctga tgcttttgat atctggggcc aagggacaat ggtcaccgtc 360

tcttca 366

<210> 10
<211> 122
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.681 heavy chain

<220>
<221> MISC_FEATURE
<222> (26)..(33)
<223> H-CDR1

<220>
<221> MISC_FEATURE
<222> (51)..(58)
<223> H-CDR2

<220>
<221> MISC_FEATURE
<222> (97)..(111)
<223> H-CDR3

<400> 10

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

Ser Val Lys Val Ser Cys Lys Ala Ser Gly Tyr Thr Phe Thr Gly Tyr
20 25 30

Tyr Met His Trp Val Arg Gln Ala Pro Gly Gln Gly Leu Glu Trp Met
35 40 45

Gly Trp Ile Asn Pro Asn Thr Gly Gly Thr Asn Tyr Ala Gln Lys Phe
50 55 60

Gln Gly Arg Val Thr Met Thr Arg Asp Thr Ser Ile Ser Thr Ala Tyr
65 70 75 80

Met Glu Leu Ser Arg Leu Arg Ser Asp Asp Thr Ala Val Tyr Tyr Cys
85 90 95

Ala Arg Ser Phe Leu Trp Leu Val Pro Ser Asp Ala Phe Asp Ile Trp
100 105 110

Gly Gln Gly Thr Met Val Thr Val Ser Ser
115 120

<210> 11
<211> 327
<212> DNA
<213> Artificial Sequence

<220>
<223> Synthetic nucleotide

<220>
<221> misc_feature
<223> Clone XPA.42.681 light chain

<400> 11
tcctatgtgc tgactcagcc accctcagtg tccgtggccc caggaaagac ggccaggatt 60

acctgtgggg gaaacaacat tggatttaga agtgtgcact ggtaccaaca gaagtcaggc 120

caggcccctg tcctggtcat ctattttgat cgcgcccggc cctcagggat ccctgagcga 180

ttctctgcct ccaactctga gaacacggcc accctgacca tcaggagggt cgaagccggg 240

gatgaggccg actattactg tcaggtgtgg gatagtgaca gtgatgatct agtcttcggc 300

ggaggcaccc agctgaccgt cctaggt 327

<210> 12
<211> 109
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.681 light chain

<220>
<221> MISC_FEATURE
<222> (26)..(31)
<223> L-CDR1

<220>
<221> MISC_FEATURE
<222> (49)..(51)
<223> L-CDR2

<220>
<221> MISC_FEATURE
<222> (88)..(98)
<223> L-CDR3

<400> 12

Ser Tyr Val Leu Thr Gln Pro Pro Ser Val Ser Val Ala Pro Gly Lys
1 5 10 15

Thr Ala Arg Ile Thr Cys Gly Gly Asn Asn Ile Gly Phe Arg Ser Val
20 25 30

His Trp Tyr Gln Gln Lys Ser Gly Gln Ala Pro Val Leu Val Ile Tyr
35 40 45

Phe Asp Arg Ala Arg Pro Ser Gly Ile Pro Glu Arg Phe Ser Ala Ser
50 55 60

Asn Ser Glu Asn Thr Ala Thr Leu Thr Ile Arg Arg Val Glu Ala Gly
65 70 75 80

Asp Glu Ala Asp Tyr Tyr Cys Gln Val Trp Asp Ser Asp Ser Asp Asp
85 90 95

Leu Val Phe Gly Gly Gly Thr Gln Leu Thr Val Leu Gly
100 105

<210> 13
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.068 - H-CDR1

<400> 13

Gly Tyr Thr Phe Thr Gly Tyr Tyr
1 5

<210> 14
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.068 - H-CDR2

<400> 14

Ile Asn Pro Asn Thr Gly Gly Thr
1   5

<210> 15
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.068 - H-CDR3

<400> 15

Ala Arg Ser Phe Leu Trp Leu Val Pro Ser Asp Ala Phe Asp Ile
1   5   10   15

<210> 16
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.068 - L-CDR1

<400> 16

Asn Ile Gly Arg Lys Ser
1   5

<210> 17
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.068 - L-CDR2

<400> 17

Tyr Asp Arg
1

<210> 18
<211> 10

<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.068 - L-CDR3

<400> 18

Gln Val Trp Asp Asn Thr Ser Glu His Val
1 5 10

<210> 19
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.089 - H-CDR1

<400> 19

Gly Gly Thr Phe Ser Ser Tyr Ala
1 5

<210> 20
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.089 - H-CDR2

<400> 20

Ile Ile Pro Ile Phe Gly Thr Ala
1 5

<210> 21
<211> 14
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.089 - H-CDR3

<400> 21

Ala Arg Gly Leu Trp Glu Val Arg Ala Leu Pro Ser Val Tyr
1   5   10

<210> 22
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.089 - L-CDR1

<400> 22

Asp Ile Gly Ser Lys Ser
1   5

<210> 23
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.089 - L-CDR2

<400> 23

Glu Asp Ile
1

<210> 24
<211> 10
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42.089 - L-CDR3

<400> 24

Gln Val Trp Asp Arg Asp Ser Asp Gln Tyr

1 5 10

<210> 25
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42-681 - H-CDR1

<400> 25

Gly Tyr Thr Phe Thr Gly Tyr Tyr
1 5

<210> 26
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42-681 - H-CDR2

<400> 26

Ile Asn Pro Asn Thr Gly Gly Thr
1 5

<210> 27
<211> 15
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42-681 - H-CDR3

<400> 27

Ala Arg Ser Phe Leu Trp Leu Val Pro Ser Asp Ala Phe Asp Ile
1 5 10 15

<210> 28
<211> 6
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42-681 - L-CDR1

<400> 28

Asn Ile Gly Phe Arg Ser
1   5

<210> 29
<211> 3
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42-681 - L-CDR2

<400> 29

Phe Asp Arg
1

<210> 30
<211> 11
<212> PRT
<213> Artificial Sequence

<220>
<223> Synthetic peptide

<220>
<221> MISC_FEATURE
<223> Clone XPA.42-681 - L-CDR3

<400> 30

Gln Val Trp Asp Ser Asp Ser Asp Asp Leu Val
1   5   10