SEQUENCE LISTING

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<120> ISOLATION AND PURIFICATION OF ANTIBODIES USING PROTEIN A AFFINITY CHROMATOGRAPHY

<130> 03945-27945US02

<140> US 14/226,636
<141> 2014-03-26

<150> US 12/582,506
<151> 2009-10-20

<150> US 61/196,753
<151> 2008-10-20

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<170> PatentIn version 3.5

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Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Ser Tyr
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Gly Met His Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Gln Val
35 40 45

Ala Phe Ile Arg Tyr Asp Gly Ser Asn Lys Tyr Tyr Ala Asp Ser Val
50 55 60

Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
65 70 75 80

Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
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Lys Thr His Gly Ser His Asp Asn Trp Gly Gln Gly Thr Met Val Thr
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Val Ser Ser
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Thr Val Lys Trp Tyr Gln Gln Leu Pro Gly Thr Ala Pro Lys Leu Leu
        35                  40                  45

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

Ser Gly Ser Lys Gly Thr Ser Ala Ser Leu Ala Ile Thr Gly Val Gln
65                  70                  75                  80

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

Trp Ile Gly Trp Val Arg Gln Met Pro Gly Lys Gly Leu Glu Trp Met

35 40 45

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

Gln Gly Gln Val Thr Ile Ser Ala Asp Lys Ser Phe Asn Thr Ala Phe
65 70 75 80

Leu Gln Trp Ser Ser Leu Lys Ala Ser Asp Thr Ala Met Tyr Tyr Cys
85 90 95

Ala Arg Val Gly Ser Gly Trp Tyr Pro Tyr Thr Phe Asp Ile Trp Gly
100 105 110

Gln Gly Thr Met Val Thr Val Ser Ser Ala Ser Thr Lys Gly Pro Ser
115 120 125

Val Phe Pro Leu Ala Pro Ser Ser Lys Ser Thr Ser Gly Gly Thr Ala
130 135 140

Ala Leu Gly Cys Leu Val Lys Asp Tyr Phe Pro Glu Pro Val Thr Val
145 150 155 160

Ser Trp Asn Ser Gly Ala Leu Thr Ser Gly Val His Thr Phe Pro Ala
165 170 175

Val Leu Gln Ser Ser Gly Leu Tyr Ser Leu Ser Ser Val Val Thr Val
180 185 190

Pro Ser Ser Ser Leu Gly Thr Gln Thr Tyr Ile Cys Asn Val Asn His
195 200 205

Lys Pro Ser Asn Thr Lys Val Asp Lys Lys Val Glu Pro Lys Ser
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Glu Arg Ala Thr Leu Ser Cys Arg Ala Ser Glu Ser Ile Ser Ser Asn
20 25 30

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Tyr Thr Ala Ser Thr Arg Ala Thr Asp Ile Pro Ala Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Glu Phe Thr Leu Thr Ile Ser Ser Leu Gln Ser
65                  70                  75                  80

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

Ile Thr Phe Gly Gln Gly Thr Arg Leu Glu Ile Lys Arg Thr Val Ala
            100                 105                 110

Ala Pro Ser Val Phe Ile Phe Pro Pro Ser Asp Glu Gln Leu Lys Ser
        115                 120                 125

Gly Thr Ala Ser Val Val Cys Leu Leu Asn Asn Phe Tyr Pro Arg Glu
    130                 135                 140

Ala Lys Val Gln Trp Lys Val Asp Asn Ala Leu Gln Ser Gly Asn Ser
145                 150                 155                 160

Gln Glu Ser Val Thr Glu Gln Asp Ser Lys Asp Ser Thr Tyr Ser Leu
                165                 170                 175

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

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

Ser Ala Ile Thr Trp Asn Ser Gly His Ile Asp Tyr Ala Asp Ser Val
    50                  55                  60

Glu Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Asn Ser Leu Tyr
65                  70                  75                  80

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

Ala Lys Val Ser Tyr Leu Ser Thr Ala Ser Ser Leu Asp Tyr Trp Gly
            100                 105                 110

Gln Gly Thr Leu Val Thr Val Ser Ser
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Asp Arg Val Thr Ile Thr Cys Arg Ala Ser Gln Gly Ile Arg Asn Tyr
            20                  25                  30

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

Tyr Ala Ala Ser Thr Leu Gln Ser Gly Val Pro Ser Arg Phe Ser Gly
    50                  55                  60

Ser Gly Ser Gly Thr Asp Phe Thr Leu Thr Ile Ser Ser Leu Gln Pro
65                  70                  75                  80

Glu Asp Val Ala Thr Tyr Tyr Cys Gln Arg Tyr Asn Arg Ala Pro Tyr
                85                  90                  95
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Thr Phe Gly Gln Gly Thr Lys Val Glu Ile Lys
            100                 105
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## CLAIMS

What is claimed is:

1. A process for purifying adalimumab from a fermentation harvest of a Chinese Hamster Ovary (CHO) cell culture expressing said adalimumab, said process comprising:

a) binding adalimumab from said fermentation harvest to a Protein A resin,

b) eluting the bound adalimumab at an elution pH of 3.6-4, and

c) incubating the eluted adalimumab for 1 to 3 hours.

2. The process of claim 1, wherein said eluting is at an elution pH is 3.6.

3. The process of claim 1, wherein said eluting is at an elution pH of 3.7.

4. The process of claim 1, wherein said eluting is at an elution pH of 3.8.

5. The process of claim 1, wherein said eluting is at an elution pH of 4.

6. The process of claim 1, further comprising after said incubating, subjecting adalimumab to one or more further chromatographic separations, wherein said one or more further chromatographic separations comprise an ion exchange chromatography, a hydrophobic interactive chromatography or a combination thereof.

7. The process of claim 1, further comprising subjecting adalimumab to an ion exchange chromatography after said incubating.

8. The process of claim 7, wherein said ion exchange chromatography is cation exchange chromatography.

9. The process of claim 7, wherein said ion exchange chromatography is anion exchange chromatography.

10. The process of claim 1, further comprising subjecting adalimumab to a hydrophobic interaction chromatography after said incubating.

11. The process of claim 1, further comprising determining the monomer level of adalimumab purified according to said process.

12. The process of claim 1, wherein the adalimumab monomer level after said incubating is greater than 97%.

13. The process of claim 1, wherein the purified adalimumab is pharmaceutical grade.