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(54) Title: ISOLATION AND PURIFICATION OF ANTI-IL-13 ANTIBODIES USING PROTEIN A AFFINITY CHROMATOGRAPHY

(57) Abstract: Disclosed herein are methods for the isolation and purification of anti- IL- 13 antibodies wherein the use of an affinity chromatographic step results in an antibody composition sufficiently pure for pharmaceutical uses. The methods described herein comprise pH viral reduction/inactivation, ultrafiltration/diafiltration, affinity chromatography (e.g., Protein A affinity chromatography), ion exchange chromatography, and hydrophobic chromatography. Further, the present invention is directed toward pharmaceutical compositions comprising one or more antibodies of the present invention.

Figure 1.

- **Anti-IL-13 Antibody Heavy Chain Variable Region Sequence**

```
1         10         20         30         40
EVTLRESGPG LVKPTQTLTL TCTLYGFSLS TSDMGVDWIR
                                    CDR1

QPPGKGLEWL AHIWWDDVKR YNPALKSRLT ISKDTSKNQV
                     CDR2

VLKLTSVDPV DTATYYCART VSSGYIYYAM DYWGQGTLVT
                          CDR3

VSS
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- **Anti-IL-13 Antibody Light Chain Variable Region Sequence**

```
1         10         20         30         40
DIQMTQSPSS LSASVGDRVT ISCRASQDIR NYLNWYQQKP
                               CDR1

GKAPKLLIFY TSKLHSGVPS RFSGSGSGTD YTLTISSLQP
           CDR2

EDIATYYCQQ GNTLPLTFGG GTKVEIK
           CDR3
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