heavy chain comprising the amino acid sequence set forth as SEQ ID NO: 66 and a light chain comprising the amino acid sequence set forth as SEQ ID NO: 67.

In one aspect, there is provided an aqueous formulation comprising 50 to 150 mg/ml of a Dual Variable Domain Immunoglobulin (DVD-Ig) protein capable of binding to IL-1 alpha and IL-1 beta, wherein the DVD-Ig comprises the amino acid sequences set forth in SEQ ID NOs: 66 and 67, 10 to 20 mM of histidine buffer, 30 to 50 mg/ml sorbitol, and 0.005% to 0.02% polysorbate 80, wherein said formulation has a pH of 5 to 7.

In certain embodiments, the disclosure provides stable aqueous formulations comprising AS-DVD-Ig proteins, including high concentration AS-DVD-Ig formulations. AS-DVD-Ig proteins are a subpopulation of DVD-Ig proteins characterized by their ability to remain stable, *e.g.,* in concentrations 50 mg/ml or greater, during storage (*e.g.*, exhibit an aggregation increase of less than 3 % (determined by size exclusion chromatography (SEC)) following accelerated storage (40°C) in an aqueous formulation at a concentration of at least 50 mg/ml). In certain embodiments, the AS-DVD-Ig protein is characterized as a DVD-Ig protein having less than about 15% loss in relative percentage monomers as determined by size exclusion chromatography (SEC) when formulated in a histidine or citrate phosphate buffer at a concentration of at least about 50 mg/ml, following 14 days storage at about 40 °C. In certain embodiments, the AS-DVD-Ig protein is characterized as a DVD-Ig protein having less than about

CLAIMS

1. An aqueous formulation comprising 50 to 150 mg/ml of a Dual Variable Domain Immunoglobulin (DVD-Ig) protein capable of binding to IL-1 alpha and IL-1 beta, wherein the DVD-Ig comprises the amino acid sequences set forth in SEQ ID NOs: 66 and 67_ , 10 to 20 mM of histidine buffer, 30 to 50 mg/ml sorbitol, and 0.005% to 0.02% polysorbate 80, wherein said formulation has a pH of 5 to 7.

2. The formulation of claim 1 comprising 15 mM of histidine buffer, 35 to 45 mg/ml sorbitol, and 0.01% polysorbate 80, wherein said formulation has a pH of 5.5 to 6.5.

3. The formulation of claim 1 or claim 2 comprising 70 to 110 mg/ml of the_DVD-Ig protein.

4. The formulation of claim 1 or claim 2 comprising 100 mg/ml of the_DVD-Ig protein.