

## Description of Additional Supplementary Files

File Name: Supplementary Data 1

Description: Protein accession numbers, oligonucleotide primers, DNA and amino-acid sequences of <sup>N</sup>Fc-CXCL<sup>C</sup> fusion proteins.

File Name: Supplementary Data 2

Description: Protein accession numbers, oligonucleotide primers, DNA and amino-acid sequences of <sup>N</sup>CXCL-SA<sup>C</sup> fusion proteins.

File Name: Supplementary Data 3

Description: Protein accession numbers, oligonucleotide primers, DNA and amino-acid sequences of serum albumin-antibody fusion proteins (SA-scFv).

File Name: Supplementary Data 4

Description: Oligonucleotide primers used for combinatorial site-directed mutagenesis.

File Name: Supplementary Data 5

Description: Protein accession numbers, oligonucleotide primers, DNA and amino-acid sequences of <sup>N</sup>CXCL-Aga2<sup>C</sup> fusion proteins.

File Name: Supplementary Data 6

Description: Epitope mapping by Alanine scanning of hCXCL1.