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(54) Title: ANTI-CXCL1, CXCL7 AND CXCL8 ANTIBODIES AND THEIR APPLICATIONS

(57) Abstract: The invention provides an isolated antibody or a fragment thereof, which is directed to the human chemokines CXCL1, CXCL7 and CXCL8, said antibody or fragment being capable of binding to the human chemokine CXCL1 with an equilibrium dissociation constant (K_D) of at most 16 nM, to the human chemokine CXCL7 with an equilibrium dissociation constant (K_D) of at most 5 nM and to the human chemokine CXCL8 with an equilibrium dissociation constant (K_D) of at most 45 nM, as determined by surface plasmon resonance. The invention also provides some applications of said isolated antibody.