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(54) Title: THE INDUCTION OF ANTIOBIOTIC PROTEINS AND PEPTIDES BY LAIT/sCD14–PROTEIN

(57) Abstract

A method of ameliorating the symptoms of sepsis comprising directly exposing epithelial cells of a mammal in need thereof to soluble CD14, or active variants thereof. A method of obtaining CD14 from a stock solution containing protein of a mammary secretion is described. A method of directly activating B cells using a soluble polypeptide having the amino acid sequence selected from the group consisting of leu–leu–leu–leu–leu–leu–pro–ser, leu–leu–leu–leu–leu–leu–pro–leu; and leu–leu–leu–leu–leu–leu–val–his, and which is specifically recognized by the monoclonal antibody 3C10 and which activates B cells is described. Bovine CD14 genomic DNA is described.