

An invention relates to the modified antagonist (muteine) of receptor IL-4 (IL-4R). The invention also relates to the mentioned antagonist, connected with polymer of nonprotein nature in amino acid residue in the position of 104 IL-4, where the mentioned polymer represents polyethylene glycol, polypropylene glycol or alkylene oxide polymer. The invention also relates to the polynucleotide, coding mentioned antagonist, to the method for preparation of antagonist, pharmaceutical composition, containing it, and to using of modified antagonist for healing of disorders in human, connected with increased activity of IL-4 and IL-13.