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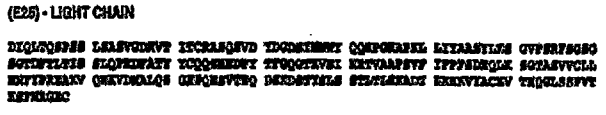
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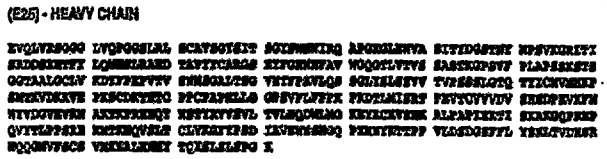
(57) Abstract

The present invention relates to a method for adjusting the affinity of a polypeptide to a target molecule by a combination of steps, including: (1) the identification of aspartyl residues which are prone to isomerization; (2) the substitution of alternative residues and screening the resulting mutants for affinity against the target molecule. In a preferred embodiment, the method of substituting residues is affinity maturation with phage display (AMPD). In a further preferred embodiment the polypeptide is an antibody and the target molecule is an antigen. In a further preferred embodiment, the antibody is anti–IgE and the target molecule is IgE. In another embodiment, the invention relates to an anti–IgE antibody having improved affinity to IgE.

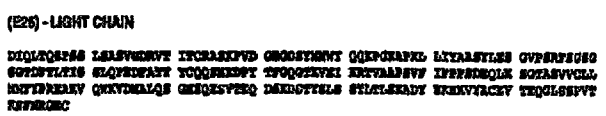
(E25) - LIGHT CHAIN



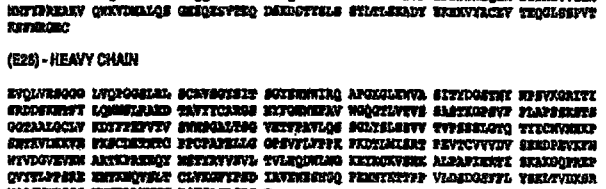
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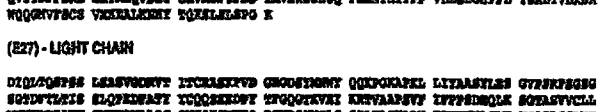
(E26) - LIGHT CHAIN



(E26) - HEAVY CHAIN



(E27) - LIGHT CHAIN



(E27) - HEAVY CHAIN

