

Title (en)  
HIGH-AFFINITY ANTIBODIES

Title (de)  
ANTIKÖRPER MIT EINER HOHEN AFFINITÄT

Title (fr)  
ANTICORPS A FORTE AFFINITE

Publication  
**EP 1107990 A1 20010620 (EN)**

Application  
**EP 99940355 A 19990820**

Priority  
• GB 9902729 W 19990820  
• GB 9818915 A 19980828

Abstract (en)  
[origin: WO0012556A1] High-affinity monoclonal antibodies, wherein the affinity is characterised by: (i) incubating first and second samples of the antibody in antigen-coated microtitre plate wells at a concentration chosen to be within the linear part of a standard curve at pH 7.2 for 1 hour at 37 DEG C; (ii) removing unbound antibody from both samples; (iii) incubating the first sample with PBS at pH 7.2 for 1 hour at 37 DEG C, and reducing the pH of the second sample to pH 3 or below and incubating for 1 hour at 37 DEG C; (iv) removing unbound antibody from both samples; (v) incubating both samples with anti-antibody alkaline phosphatase-conjugate for 1 hour at 37 DEG C; (vi) removing unbound conjugate from both samples; and (vii) adding PNPP substrate to the samples, measuring the absorbance of the samples at 405 nm, and determining the amount of antibody bound to antigen, wherein the amount bound in the second sample is > 50 % of that of the first sample.

IPC 1-7  
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IPC 8 full level  
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