

## CLAIMS

1. A mutated CD200 protein comprising a mutation at amino acid residue position 130 and/or 131 corresponding to SEQ ID NO: 1, wherein said mutation is a substitution mutation  
5 selected from K130Y and/or I131Y, wherein the protein is a modulator of the CD200 receptor.
2. The protein as defined in claim 1, which comprises one or more additional mutations, such as those selected from G129I, F128R, and N81K.  
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3. The protein as defined in claim 2, comprising the sequence of SEQ ID NO: 12 or SEQ ID NO: 13.
4. The protein as defined in any one of claims 1 to 3, which comprises the extracellular  
15 domain (ECD) of said protein.
5. The protein as defined in any of claims 1 to 4, comprising the sequence of SEQ ID NO: 3 or SEQ ID NO: 4.
- 20 6. A fusion protein comprising the protein as defined in any of claims 1 to 5, fused to a non-CD200 protein encoding portion via an optional linker portion.
7. The protein as defined in claim 6, wherein said linker portion is a peptide comprising between 1 and 15 amino acids.  
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8. The protein as defined in claim 6 or claim 7, wherein said non-CD200 protein encoding portion is an antibody or fragment thereof.
9. The protein as defined in any of claims 6 to 8, wherein said non-CD200 protein  
30 encoding portion is an Fc fragment.
10. The protein as defined in any of claims 6 to 9, comprising the sequence of SEQ ID NO: 6 or SEQ ID NO: 7.
- 35 11. The protein as defined in any of claims 1 to 10, which is an agonist of the CD200 receptor.

12. A polynucleotide encoding a protein as defined in any of claims 1 to 11.
13. A pharmaceutical composition comprising the protein as defined in any of claims 1 to 11.

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14. Use of the protein as defined in any of claims 1 to 11, or the composition as defined in claim 13 in the manufacture of a medicament for the treatment of autoimmune disease.