CLAIMS

1. A pharmaceutical composition comprising an antigen-binding molecule which comprises an antigen-binding domain whose antigen-binding activity varies depending on ion concentration conditions, and an Fc region in which the amino acid at position 238 is Asp and the amino acid at position 271 is Gly as indicated by EU numbering, wherein the Fc region is an Fc region of IgG-type immunoglobulins, wherein the ion concentration conditions are calcium ion concentration conditions and/or pH conditions.

2. The pharmaceutical composition of claim 1, wherein the Fc region has an amino acid substitution at at least one or more positions selected from the group consisting of 233, 234, 237, 264, 265, 266, 267, 268, 269, 272, 274, 296, 326, 327, 330, 331, 332, 333, 355, 356, 358, 396, 409, and 419 as indicated by EU numbering.

3. The pharmaceutical composition of claim 2, wherein the amino acids of the Fc region include any one or more of the following amino acids indicated by EU numbering:
Asp at amino acid position 233;
Tyr at amino acid position 234;
Asp at amino acid position 237;
Ile at amino acid position 264;
Glu at amino acid position 265;
any one of Phe, Met, and Leu at amino acid position 266;
any one of Ala, Glu, Gly, and Gln at amino acid position 267;
any one of Asp, Glu, and Gln at amino acid position 268;
Asp at amino acid position 269;
any one of Asp, Phe, Ile, Met, Asn, Pro, and Gln at amino acid position 272;
Gln at amino acid position 274;
Asp or Phe at amino acid position 296;
Ala or Asp at amino acid position 326;
Lys or Arg at amino acid position 330;
Gly at amino acid position 327;
Ser at amino acid position 331;
Thr at amino acid position 332;
any one of Thr, Lys, and Arg at amino acid position 333;
Gln at amino acid position 355;

Glu at amino acid position 356;
Met at amino acid position 358;
any one of Asp, Glu, Phe, Ile, Lys, Leu, Met, Gln, Arg, and Tyr at amino acid position 396;
Arg at amino acid position 409; and
Glu at amino acid position 419.

4. A method of producing an antigen-binding molecule, comprising the steps of (a) to (e) below:
(a) obtaining an antigen-binding domain whose antigen-binding activity varies depending on ion concentration conditions;
(b) obtaining a gene encoding the antigen-binding domain selected in step (a);
(c) operably linking the gene obtained in step (b) with a gene encoding an Fc region in which the amino acid at position 238 is Asp and the amino acid at position 271 is Gly as indicated by EU numbering;
(d) culturing host cells containing the gene operably linked in step (c); and
(e) isolating an antigen-binding molecule from the culture solution obtained in step (d), wherein the Fc region is an Fc region of IgG-type immunoglobulins, wherein the ion concentration conditions are calcium ion concentration conditions and/or pH conditions.

5. The production method of claim 4, wherein the Fc region has an amino acid substitution at at least one or more positions selected from the group consisting of 233, 234, 237, 264, 265, 266, 267, 268, 269, 272, 274, 296, 326, 327, 330, 331, 332, 333, 355, 356, 358, 396, 409, and 419 as indicated by EU numbering.

6. The method of claim 5, wherein the amino acids of the Fc region include any one or more of the following amino acids indicated by EU numbering:
Asp at amino acid position 233;
Tyr at amino acid position 234;
Asp at amino acid position 237;
Ile at amino acid position 264;
Glu at amino acid position 265;
any one of Phe, Met, and Leu at amino acid position 266;
any one of Ala, Glu, Gly, and Gln at amino acid position 267;
any one of Asp, Glu, and Gln at amino acid position 268;
Asp at amino acid position 269;

any one of Asp, Phe, Ile, Met, Asn, Pro, and Gln at amino acid position 272;
Gln at amino acid position 274;
Asp or Phe at amino acid position 296;
Ala or Asp at amino acid position 326;
Gly at amino acid position 327;
Lys or Arg at amino acid position 330;
Ser at amino acid position 331;
Thr at amino acid position 332;
any one of Thr, Lys, and Arg at amino acid position 333;
Gln at amino acid position 355;
Glu at amino acid position 356;
Met at amino acid position 358;
any one of Asp, Glu, Phe, Ile, Lys, Leu, Met, Gln, Arg, and Tyr at amino acid position 396;
Arg at amino acid position 409; and
Glu at amino acid position 419.

7. A method of producing a pharmaceutical composition comprising an antigen-binding molecule, which comprises the steps of (a) to (e) below:
(a) obtaining an antigen-binding domain whose antigen-binding activity varies depending on ion concentration conditions;
(b) obtaining a gene encoding the antigen-binding domain selected in step (a);
(c) operably linking the gene obtained in step (b) with a gene encoding an Fc region in which the amino acid at position 238 is Asp and the amino acid at position 271 is Gly as indicated by EU numbering;
(d) culturing host cells containing the gene operably linked in step (c); and
(e) isolating the antigen-binding molecule from the culture solution obtained in step (d) , wherein the Fc region is an Fc region of IgG-type immunoglobulins, wherein the ion concentration conditions are calcium ion concentration conditions and/or pH conditions.

8. The production method of claim 7, wherein the Fc region has an amino acid substitution at at least one or more positions selected from the group consisting of 233, 234, 237, 264, 265, 266, 267, 268, 269, 272, 274, 296, 326, 327, 330, 331, 332, 333, 355, 356, 358, 396, 409, and 419 as indicated by EU numbering.

9. The production method of claim 8, wherein the amino acids of the Fc region include any one or more of the following amino acids indicated by EU numbering:
Asp at amino acid position 233;
Tyr at amino acid position 234;
Asp at amino acid position 237;
Ile at amino acid position 264;
Glu at amino acid position 265;
any one of Phe, Met, and Leu at amino acid position 266;
any one of Ala, Glu, Gly, and Gln at amino acid position 267;
any one of Asp, Glu, and Gln at amino acid position 268;
Asp at amino acid position 269;
any one of Asp, Phe, Ile, Met, Asn, Pro, and Gln at amino acid position 272;
Gln at amino acid position 274;
Asp or Phe at amino acid position 296;
Ala or Asp at amino acid position 326;
Gly at amino acid position 327;
Lys or Arg at amino acid position 330;
Ser at amino acid position 331;
Thr at amino acid position 332;
any one of Thr, Lys, and Arg at amino acid position 333;
Gln at amino acid position 355;
Glu at amino acid position 356;
Met at amino acid position 358;
any one of Asp, Glu, Phe, Ile, Lys, Leu, Met, Gln, Arg, and Tyr at amino acid position 396;
Arg at amino acid position 409; and
Glu at amino acid position 419.