

CLAIMS

[Claim 1]

A method for producing a corneal endothelial cell, the method comprising the step of sorting, from a cell population
5 comprising a corneal endothelial cell, a cell in which at least one member selected from the group consisting of ZP4, MRGPRX3, GRIP1, GLP1R, HTR1D, and CLRN1 is expressed.

[Claim 2]

10 The method according to claim 1, wherein the cell population comprising a corneal endothelial cell is obtained by inducing differentiation of stem cells.

[Claim 3]

15 The method according to claim 1, wherein the cell population comprising a corneal endothelial cell is obtained by culturing corneal endothelial cells.

[Claim 4]

20 The method according to any one of claims 1 to 3, wherein the sorting step comprises binding an antibody that specifically recognize at least one member selected from the group consisting of ZP4, MRGPRX3, GRIP1, GLP1R, HTR1D, and CLRN1 to the cell population comprising a corneal endothelial cell.

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[Claim 5]

A method for evaluating a corneal endothelial cell using expression of at least one member selected from the group consisting of ZP4, MRGPRX3, GRIP1, GLP1R, HTR1D, and CLRN1 as an
30 indication.

[Claim 6]

Use of a marker for detecting a corneal endothelial cell, the marker comprising at least one member selected from the
35 group consisting of ZP4, MRGPRX3, GRIP1, GLP1R, HTR1D, and CLRN1.

[Claim 7]

A kit for detecting a corneal endothelial cell, the kit comprising a substance that specifically recognizes at least one
5 member selected from the group consisting of ZP4, MRGPRX3, GRIP1, GLP1R, HTR1D, and CLRN1.