Claims

1. A production method of retinal pigment epithelial cells, comprising a step of adhesion culture of human pluripotent stem cells on a culture substrate coated with a laminin-E8 fragment.

2. The method according to claim 1, wherein the laminin-E8 fragment is laminin-511E8 fragment.

3. The method according to claim 1 or 2, wherein the step of adhesion culture is performed in the presence of a differentiation-inducing factor.

4. The method according to any one of claims 1 to 3, wherein the human pluripotent stem cells are human iPS cells.

5. The method according to any one of claims 1 to 4, wherein the retinal pigment epithelial cells are to be used as a therapeutic drug for a retinal disease.

6. The method according to any one of claims 1 to 4, wherein the retinal pigment epithelial cells form a sheet of retinal pigment epithelial cells.

7. An amplification method of retinal pigment epithelial cells, comprising a step of adhesion culture of retinal pigment epithelial cells on a culture substrate coated with a laminin-E8 fragment.

8. A purification method of retinal pigment epithelial cells, comprising a step of adhesion culture of retinal pigment epithelial cells on a culture substrate coated with a laminin-E8 fragment.

9. The method according to claim 7, wherein the retinal pigment

epithelial cells are to be used as a therapeutic drug for a retinal disease.

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