

【ABSTRACT】

The present invention relates to a combination of biomarkers for diagnosing diabetic retinopathy and a use thereof, and more specifically to a combination of biomarkers for diagnosing diabetic retinopathy which is composed of two or more blood biomarkers specific for the diagnosis of diabetic retinopathy with increased diagnostic performance. In addition, the present invention relates to a composition for diagnosing diabetic retinopathy, a diagnostic kit, and a method for providing information necessary for the diagnosis of diabetic retinopathy, using the combination of biomarkers. The combination of biomarkers for diagnosing diabetic retinopathy according to the present invention was confirmed to exhibit excellent sensitivity and diagnostic performance compared to other biomarker combinations, and it was also confirmed to exhibit high diagnostic capacity in early diabetic retinopathy when the protein quantitative values of the combination of biomarkers and the basic clinical information were combined and analyzed. In addition, the combination of biomarkers of the present invention can be effectively used for the early diagnosis of diabetic retinopathy because it can be conveniently analyzed using the patient plasma without using a biopsy as a blood protein.

FIG. 1