ABSTRACT

ANTI-AGGRUS MONOCLONAL ANTIBODY, DOMAIN IN AGGRUS WHICH IS REQUIRED FOR BINDING TO CLEC-2, AND METHOD FOR SCREENING FOR AGGRUS-CLEC-2 BINDING INHIBITOR

A novel domain in Aggrus which is involved in the binding to CLEC-2 was searched, and a monoclonal antibody capable of recognizing the domain was obtained. It is clearly found that a newly discovered PLAG4 domain is important for the binding to CLEC-2, and a monoclonal antibody capable of recognizing the domain is produced. It becomes possible to provide a novel Aggrus-CLEC-2 binding inhibitor, a novel platelet aggregation inhibitor and a novel cancer metastasis inhibitor using the antibody.

(FIGS. 7A,7B,7C)