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(71) Applicant: **CHUGAI SEIYAKU KABUSHIKI KAISHA**
[JP/JP]; 5-1, Ukima 5-chome, Kita-ku, Tokyo, 1158543
(JP).

(72) Inventors: **RUIKE, Yoshinao**; c/o Chugai Pharmabody
Research Pte. Ltd., 3 Biopolis Drive, #07-11 to 16, Syn-
apse, 138623 (SG). **SAMPEI, Zenjiro**; c/o Chugai Pharm-
abody Research Pte. Ltd., 3 Biopolis Drive, #07-11 to 16,
Synapse, 138623 (SG).

(74) Agents: **HARUNA, Masao** et al.; Kantetsu Tsukuba Bldg.
6F, 1-1-1, Oroshi-machi, Tsuchiura-shi, Ibaraki, 3000847
(JP).

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(54) Title: ANTI-C5 ANTIBODIES AND METHODS OF USE

(57) Abstract: An objective of the invention is to provide anti-C5 antibodies and methods of using the same. The invention provides anti-C5 antibodies and methods of using the same. In some embodiments, an isolated anti-C5 antibody of the present invention binds to an epitope within the beta chain of C5 with a higher affinity at neutral pH than at acidic pH. The invention also provides isolated nucleic acids encoding an anti-C5 antibody of the present invention. The invention also provides host cells comprising a nucleic acid of the present invention. The invention also provides a method of producing an antibody comprising culturing a host cell of the present invention so that the antibody is produced. The invention further provides a method of producing an anti-C5 antibody comprising immunizing an animal against a polypeptide which comprises the MG1-MG2 domain of the beta chain of C5. Anti-C5 antibodies of the present invention may be for use as a medicament.

