Prekallikrein Heavy Chain Monoclonal Antibody

ORDERING INFORMATION
Catalog No.: 19901 (13G11)
Size: 200 ug Protein G-purified antibody in PBS, pH 7.4.

SPECIFICATION SUMMARY
Antigen: Human plasma prekallikrein.
Host Species: Mouse
Antibody Class: IgG1
Stabilizers: None.
Preservatives: None. Available on request.

SPECIFICITY
This antibody specifically recognizes in human plasma two variants (88 kDa and 85 kDa) of prekallikrein and its activation products kallikrein (88 kDa and 85 kDa), the complexes formed by kallikrein with its endogenous inhibitors C1 inhibitor, alpha-2-macroglobulin and antithrombin III, and 45 kDa prekallikrein/kallikrein fragment(s). It also recognizes prekallikrein and its activation products in chimpanzee, rhesus, and baboon plasmas. The epitope for this antibody, located on the prekallikrein/kallikrein heavy chain, is involved in the interaction between prekallikrein and factor XIIa. This antibody inhibits prekallikrein activation in human and rhesus plasmas by approximately 60-80% and 55%, respectively. This antibody does not cross-react with tissue kallikrein.

APPLICATIONS
This antibody may be used in ELISA and Western blots to identify/quantitate prekallikrein and its activation products in plasmas of humans, chimpanzees, rhesus monkeys, and baboons. Other applications are under investigation.

NOTE: Prekallikrein activation may occur with repeated freezing/thawing (3x or more) of plasma samples obtained from humans or other primates.

DILUTION INSTRUCTIONS
Dilute in PBS or medium which is identical to that used in the assay system.

STORAGE AND STABILITY
These antibodies are stable for at least one (1) year at -20°C to -70°C. Store product in appropriate aliquots to avoid multiple freeze-thaw cycles.

REFERENCES

*For in vitro investigational use only. Not for use in therapeutic or diagnostic procedures.*