

CERTIFICATE OF ANALYSIS

Important Note: Centrifuge before opening to ensure complete recovery of vial contents.

Catalog #: N55199M **Lot #:** 2D11622

Description: MAb to Prekallikrein Heavy Chain
Monoclonal Antibody to Prekallikrein Heavy Chain

Specificity: Recognizes 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). Recognizes prekallikrein and its activation products in human, 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.

Host Animal: Mouse **Isotype:** IgG₁

Immunogen: Purified human plasma prekallikrein.

Format: Purified, Liquid

Purification: Protein G Chromatography

Concentration: 1.5 mg/mL (OD280nm)

Buffer: Phosphate Buffered Saline, pH 7.4

Preservative: None

Applications: Suitable for use in ELISA and Western Blot. Note: Prekallikrein activation may occur with repeated freezing/thawing (3x or more) of plasma samples. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded.

Storage: Upon receipt, aliquot and store at -20°C. Avoid multiple freeze/thaw cycles.

Safety Note(s): Refer to the appropriate Safety Data Sheet (SDS) for additional information.

Reference: The reference listed below is for research purposes only:

1. Veloso, et al., (1987), Blood, **70**: 1053-1062.
2. Veloso, et al., (1989), Adv. Exp. Med. Biol., **247**: 499-505.
3. Veloso, D., et al., (1991), Thrombosis and Haemostasis, **65**: 382-388.
4. Veloso, et al., (1992), Thrombosis and Haemostasis, **68**: 526-533.
5. Veloso, D., (1996), Immunopharmacology, **33**: 374-376.

Quality Signature:



26 APR 2022

FOR RESEARCH OR FURTHER MANUFACTURING USE ONLY