

Product datasheet for **BM2325**

Plasma Kallikrein 1B (KLKB1) Mouse Monoclonal Antibody [Clone ID: 901]

Product data:

Product Type:	Primary Antibodies
Clone Name:	901
Applications:	ELISA, FN, WB
Recommended Dilution:	Suitable for use in ELISA and Western blot. Prekallikrein activation may occur with repeated freezing/thawing (3x or more) of plasma samples.
Reactivity:	Human
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Purified Human prekallikrein.
Specificity:	Recognizes two variants 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. Does not cross-react with tissue Kallikrein
Formulation:	PBS, pH 7.4 without preservatives. State: Azide Free State: Liquid purified Ig fraction.
Concentration:	lot specific
Purification:	Protein G chromatography.
Conjugation:	Unconjugated
Storage:	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.



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Stability:	Shelf life: one year from despatch.
Gene Name:	kallikrein B1
Database Link:	Entrez Gene 3818 Human P03952
Background:	Plasma Kallikrein 1B is a serine proteinase of the S1 family It is secreted by the liver, kidney, adrenal gland and placenta. The zymogen is referred to as prekallikrein (PK) and is activated by Factor XIIa to an active two chain form, plasma kallikrein. In Fletcher syndrome plasma kallikrein is deficient, resulting in a prolonged partial thromboplastin time (PT).
Synonyms:	Plasma kallikrein, Fletcher factor