

## Monoclonal Antibody to Kininogen-1 (HMW Isoform) - Azide Free

<b>Alternate names:</b>	Fitzgerald factor, KNG1, BDK, KNG, High molecular weight kininogen, Williams-Fitzgerald-Flaujeac factor, Alpha-2-thiol proteinase inhibitor
<b>Catalog No.:</b>	BM2326
<b>Quantity:</b>	0.2 mg
<b>Concentration:</b>	0.62 mg/ml (OD280 nm)
<b>Background:</b>	Kininogens are inhibitors of thiol proteases; HMW-kininogen plays an important role in blood coagulation by helping to position optimally prekallikrein and factor XI next to factor XII; HMW-kininogen inhibits the thrombin- and plasmin-induced aggregation of thrombocytes; the active peptide bradykinin that is released from HMW-kininogen shows a variety of physiological effects: influence in smooth muscle contraction, induction of hypotension, natriuresis and diuresis, decrease in blood glucose level, it is a mediator of inflammation and causes increase in vascular permeability, stimulation of nociceptors release of other mediators of inflammation (e.g. prostaglandins), it has a cardioprotective effect (directly via bradykinin action, indirectly via endothelium-derived relaxing factor action).
<b>Uniprot ID:</b>	<a href="#">P01042</a>
<b>Host / Isotype:</b>	Mouse / IgG1
<b>Clone:</b>	1
<b>Immunogen:</b>	Purified High molecular weight kininogen (HMWK).
<b>Format:</b>	<b>State:</b> Liquid purified Ig fraction. <b>Purification:</b> Protein G chromatography. <b>Buffer System:</b> PBS, pH 7.4 without preservatives.
<b>Applications:</b>	Suitable for use in ELISA, Western blot (5.5% alkaline PAGE without detergents) and Coagulation assays. Dilute in PBS or medium which is identical to that used in the assay system. Other applications not tested. Optimal dilutions are dependent on conditions and should be determined by the user.
<b>Specificity:</b>	Reacts with the light chain (Mol. Wt. ~46,000) of human high molecular weight kininogen and neutralizes the coagulant activity of high molecular weight kininogen. Does not recognize kininogen that has been treated with SDS.
<b>Storage:</b>	Store the antibody undiluted at 2-8°C for one month or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing. Shelf life: one year from despatch.
<b>General References:</b>	1. Schmaier, et al., (1987), J. Biol. Chem, 262:1405.