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Datasheet

KLK3 monoclonal antibody (M02), clone 1B1

Catalog Number: H00000354-M02

Regulation Status: For research use only (RUO)

Product Description: Mouse monoclonal antibody raised against a full length recombinant KLK3.

Clone Name: 1B1

Immunogen: KLK3 (AAH05307, 1 a.a. ~ 261 a.a) full-length recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.

Sequence:
MWVPVVFLTLSVTWIGAAPLILSRIVGGWECEKHSQP
WQVLVASRGRAVCGGVLVHPQWVLTAAHCIRNKSVIL
LGRHSLFHPEDTGQVFQVSHSFPHPLYDVSLLKNRFL
RPGDDSSHDLMLLRLSEPAELTDAVKVMDLPTQEPAL
GTTCYASGWGSIEPEEFLTPKKLQCVDLHVISNDVCA
QVHPQKVTKLMLCAGRWTGGKSTCSGDSGGPLVCN
GVLQGITSWGSEPCALPERPSLYTKVVHYRKWIKDTIV
ANP

Host: Mouse

Reactivity: Human

Applications: ELISA
(See our web site product page for detailed applications information)

Protocols: See our web site at http://www.abnova.com/support/protocols.asp or product page for detailed protocols

Isotype: IgG2b Kappa

Storage Buffer: In 1x PBS, pH 7.4

Storage Instruction: Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Entrez GeneID: 354

Gene Symbol: KLK3

Gene Alias: APS, KLK2A1, PSA, hK3

Gene Summary: Kallikreins are a subgroup of serine proteases having diverse physiological functions. Growing evidence suggests that many kallikreins are implicated in carcinogenesis and some have potential as novel cancer and other disease biomarkers. This gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Its protein product is a protease present in seminal plasma. It is thought to function normally in the liquefaction of seminal coagulum, presumably by hydrolysis of the high molecular mass seminal vesicle protein. Serum level of this protein, called PSA in the clinical setting, is useful in the diagnosis and monitoring of prostatic carcinoma. Alternate splicing of this gene generates several transcript variants encoding different isoforms. [provided by RefSeq]