Mouse Anti-Human kallikrein-related peptidase 11 Monoclonal Antibody

Cat. No. CAB11571MH **Lot. No.** (See product label)

SPECIFICATION

Product Overview	Mouse Monoclonal Antibody to Human kallikrein-related peptidase 11
Species	Human
Source	Mouse
Antigen Description	kallikrein-related peptidase 11 (KLK11), also known as hippostasin, trypsin-like serine protease and PRSS20, is a member of human tissue kallikrein family. It is a subgroup of serine proteases with diverse physiological functions, which is implicated in carcinogenesis and some with potential that serving as novel biomarkers for ovarian and prostate cancer and other diseases. The KLK11 gene is one of the fifteen kallikrein subfamily members located in a cluster on chromosome 19. Two alternatively spliced forms exist, resulting in 250 (isoform 1) and 282 (isoform 2) amino acid sequences. Isoform 2 is identical to isoform 1, except for an inserted 32 amino acid segment. Isoform 1 is predominantly expressed in brain whereas isoform 2 is preferentially expressed in prostate.
Specificity	Human KLK11 / Kallikrein 11. No cross-reactivity with human cell lysate (293 cell line) in ELISA.
Immunogen	Recombinant Human KLK11 / Kallikrein 11 Protein
Isotype	Mouse IgG1

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Cross Reactivity	6A7B2C7
Clone	7B8C3D8
Applications	WB; ELISA
Dilution	Western blot: This antibody can be used at 1-2 μg/mL with the appropriate secondary reagents to detect Human KLK11 in WB. Using a DAB detection system, the detection limit for Human KLK11 is approximately 4 ng/lane under non-reducing conditions and 2 ng/lane under reducing conditions.Direct ELISA: This antibody can be used at 0.5-1 μg with the appropriate secondary reagents to detect Human KLK11. The detection limit for Human KLK11 is approximately 0.16 ng/well.
Preparation	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, human cell-derived, recombinant Human KLK11 / Kallikrein 11 (rh KLK11 / Kallikrein 11; Met 1 - Asn 250; NP_006844.1). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography.
Format	0.2 μm filtered solution in PBS with 5% trehalose
Storage	This antibody can be stored at 2-8 °C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20 to -70 °C. Preservative-Free.Sodium azide is recommended to avoid contamination (final concentration 0.05%-0.1%). It is toxic to cells and should be disposed of properly. Avoid repeated freeze-thaw cycles.

GENE INFORMATION

Gene Name	KLK11 kallikrein-related peptidase 11 [Homo sapiens]

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Official Symbol	KLK11
Synonyms	KLK11; kallikrein-related peptidase 11; kallikrein 11 , PRSS20; kallikrein-11; TLSP; hK11; hippostasin; kallikrein 11; serine protease 20; trypsin-like protease; PRSS20; MGC33060;
Gene ID	11012
mRNA Refseq	NM_001136032
Protein Refseq	NP_001129504
MIM	604434
UniProt ID	Q9UBX7
Chromosome Location	19q13.33
Function	peptidase activity; serine-type endopeptidase activity; serine-type peptidase activity;

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