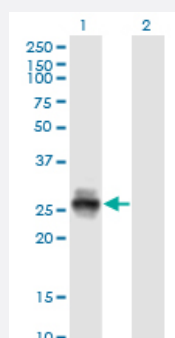


KLK4 monoclonal antibody (M09), clone 2A4

Catalog # H00009622-M09

Size 100 ug

Applications

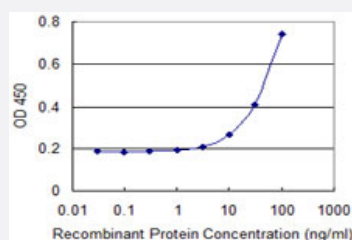


Western Blot (Transfected lysate)

Western Blot analysis of KLK4 expression in transfected 293T cell line by KLK4 monoclonal antibody (M09), clone 2A4.

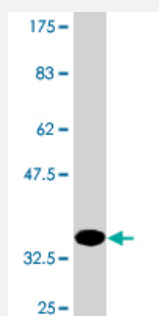
Lane 1: KLK4 transfected lysate (Predicted MW: 27 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KLK4 is 3 ng/ml as a capture antibody.



Western Blot detection against Immunogen (36.3 KDa) .

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant KLK4.

Immunogen	KLK4 (NP_004908.2, 159 a.a. ~ 254 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	GRMPTVLQCVNVSVVSEEVCSKLYDPLYHPSMFCAGGGQDQKDSNGDSSGGPLICNGYLQGLV SFGKAPCGQVGVPGVYTNLCKFTEWIEKTVQAS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (69); Rat (70)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (36.3 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of KLK4 expression in transfected 293T cell line by KLK4 monoclonal antibody (M09), clone 2A4.

Lane 1: KLK4 transfected lysate (Predicted MW: 27 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged KLK4 is 3 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — KLK4

Entrez GeneID	9622
GeneBank Accession#	NM_004917
Protein Accession#	NP_004908.2
Gene Name	KLK4
Gene Alias	ARM1, EMSP, EMSP1, KLK-L1, MGC116827, MGC116828, PROSTASE, PRSS17, PSTS
Gene Description	kallikrein-related peptidase 4
Omim ID	204700 603767
Gene Ontology	Hyperlink
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. In some tissues its expression is hormonally regulated. The expression pattern of a similar mouse protein in murine developing teeth supports a role for the protein in the degradation of enamel proteins. Alternate splice variants for this gene have been described, but their biological validity has not been determined. [provided by RefSeq]
Other Designations	androgen-regulated message 1 enamel matrix serine protease 1 kallikrein 4 (prostase, enamel matrix, prostate) kallikrein-like protein 1 protease, serine, 17

Disease

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