



Anti-PSA monoclonal antibody, clone RU4 (DMABT-H4160MH)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Product Overview	Mouse Anti-KLK3 Monoclonal Antibody
Antigen Description	Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum.
Specificity	Specific for total PSA in equimolar determination, epitope 3. Cross-reacts 100% with human kallikrein 2.
Target	KLK3
Immunogen	Human PSA antigen purified from seminal plasma.
Isotype	IgG1
Source/Host	Mouse
Species Reactivity	Human
Clone	RU4
Purification	>90% pure (SDS-PAGE). Ion exchange chromatography
Conjugate	Unconjugated
Applications	IA
Format	Purified, Liquid
Size	1 mg
Buffer	0.15M Sodium chloride, 10mM Tris, pH 7.5

Preservative 0.05% Sodium Azide

Storage Store at 2-8 °C.

GENE INFORMATION

Gene Name [KLK3 kallikrein-related peptidase 3 \[Homo sapiens \]](#)

Official Symbol KLK3

Synonyms KLK3; kallikrein-related peptidase 3; APS, kallikrein 3, (prostate specific antigen); prostate-specific antigen; PSA; seminin; P-30 antigen; kallikrein-3; semenogelase; gamma-seminoprotein; prostate specific antigen; APS; hK3; KLK2A1;

Entrez Gene ID [354](#)

Protein Refseq [NP_001025218](#)

UniProt ID [P07288](#)

Chromosome Location 19q13.41

Pathway Coregulation of Androgen receptor activity, organism-specific biosystem; Diabetes pathways, organism-specific biosystem; Disease, organism-specific biosystem; FOXA1 transcription factor network, organism-specific biosystem; Pathways in cancer, organism-specific biosystem; Prostate cancer, organism-specific biosystem; Prostate cancer, conserved biosystem;

Function peptidase activity; protein binding; serine-type endopeptidase activity; serine-type peptidase activity;