ARG62606
anti-PSA antibody [ER-PR8]

Package: 100 µl
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [ER-PR8] recognizes PSA
Tested Reactivity	Hu
Tested Application	IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	ER-PR8
Isotype	IgG1, kappa
Target Name	PSA
Species	Human
Immunogen	Purified human prostate-specific antigen
Conjugation	Un-conjugated
Alternate Names	Prostate-specific antigen; Gamma-seminoprotein; APS; PSA; EC 3.4.21.77; Kallikrein-3; P-30 antigen; Semenogelase; hK3; Seminin; KLK2A1

Application Instructions

Application Note	* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.

Properties

Form	Liquid
Buffer	10mM PBS (pH 7.4), 0.2% BSA and 0.09% Sodium azide
Preservative	0.09% Sodium azide
Stabilizer	0.2% BSA
Concentration	0.2 mg/ml
Storage instruction	For continuous use, store undiluted antibody at 2-8°C for up to a week. For long-term storage, aliquot and store at -20°C or below. Storage in frost free freezers is not recommended. Avoid repeated freeze/thaw cycles. Suggest spin the vial prior to opening. The antibody solution should be gently mixed before use.
Note	For laboratory research only, not for drug, diagnostic or other use.

Bioinformation

Database links	GeneID: 354 Human

	Swiss-port # P07288 Human
Gene Symbol	KLK3
Gene Full Name	kallikrein-related peptidase 3
Background	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, Jul 2008]
Function	Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum. [UniProt]
Research Area	Cancer antibody; Controls and Markers antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	29 kDa