

ARG10192
anti-PSA antibody [CHYH1]

Package: 100 µg

Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [CHYH1] recognizes Human Prostate Specific antigen (PSA)
Tested Reactivity	Hu
Tested Application	ELISA, IHC-P, WB
Host	Mouse
Clonality	Monoclonal
Clone	CHYH1
Isotype	IgG1, kappa
Target Name	PSA
Species	Human
Immunogen	Human Prostate Specific antigen (PSA)
Conjugation	Un-conjugated
Alternate Names	Prostate-specific antigen; Gamma-seminoprotein; APS; PSA; EC 3.4.21.77; Kallikrein-3; P-30 antigen; Semenogelase; hK3; Semin; KLK2A1

Application Instructions

Application table	Application	Dilution
	ELISA	0.5 - 1.0 µg/well
	IHC-P	Assay-dependent
	WB	10 µg/mL
Application Note	<p>ELISA: This antibody can be used as a capture antibody in sandwich ELISA applications for human PSA detection in combination with antibody [CHYH2] (Un-conjugated, Cat. No.: ARG11174; HRP-conjugated, Cat. No.: ARG10193)</p> <p>Immunohistochemistry: The antibody can be used in IHC application for formalin-fixed, paraffin embedded and frozen tissue sections.</p> <p>* The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.</p>	

Properties

Form	Liquid
Purification	Protein G affinity purified
Buffer	0.01M PBS (pH 7.0)
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	Prostate specific antigen (PSA) is a kallikrein related peptidase secreted by the epithelial cells of the prostate gland. Majority of PSA exists in plasma in bounded forms with α 1 anti-chymotrypsin or other proteins. The protein is elevated in prostatic disorders such as prostate cancer and benign prostatic hyperplasia. PSA has been used as a biomarker for prostate cancer screening.
Function	Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30068 Prostate Specific Antigen ELISA Antibody Duo Related products: PSA antibodies ; PSA ELISA Kits ; PSA Duos / Panels ; Anti-Mouse IgG secondary antibodies ;
Research Area	Cancer antibody; Controls and Markers antibody; Neuroscience antibody; Signaling Transduction antibody
Calculated Mw	29 kDa

Images



ARG10192 anti-PSA antibody [CHYH1] WB image

Western Blot: PSA antigen (100 ng/well) stained with anti-PSA antibody [CHYH1] (ARG10192) at 1 μ g/mL