

ARG10190
anti-PSA (free) antibody [108]Package: 100 µg
Store at: -20°C

Summary

Product Description	Mouse Monoclonal antibody [108] recognizes PSA (free)
Tested Reactivity	Hu
Tested Application	ELISA
Specificity	This monoclonal antibody reacts with human free PSA, but does not react with complexed PSA.
Host	Mouse
Clonality	Monoclonal
Clone	108
Isotype	IgG2a, kappa
Target Name	PSA (free)
Species	Human
Immunogen	Purified human 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 Note	ELISA: This monoclonal antibody can be used as capture antibody in a sandwich ELISA for human free PSA detection in combination with a HRP-conjugated tracer antibody (Cat. No.: ARG10191) * The dilutions indicate recommended starting dilutions and the optimal dilutions or concentrations should be determined by the scientist.
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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
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Gene Symbol	KLK3
Gene Full Name	kallikrein-related peptidase 3
Background	Free prostate specific antigen (fPSA) is the unbounded form of PSA. Study has shown that low percentage of fPSA in total PSA (tPSA) is associated with high risk of prostate cancer. Using percentage of fPSA in tPSA can enhance the predication of prostate cancer and avoid unnecessary biopsies in prostate screen.
Function	Hydrolyzes semenogelin-1 thus leading to the liquefaction of the seminal coagulum. [UniProt]
Highlight	Related Antibody Duos and Panels: ARG30067 Free 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