



# Magic™ Anti-PSA monoclonal antibody, clone 2I23 (DCAB-TJ228)

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

## PRODUCT INFORMATION

<b>Specificity</b>	Total PSA, epitope 4
<b>Immunogen</b>	Human PSA antigen purified from seminal plasma
<b>Isotype</b>	IgG2a
<b>Source/Host</b>	Mouse
<b>Species Reactivity</b>	Human
<b>Clone</b>	2I23
<b>Affinity Constant</b>	Not determined
<b>Purification</b>	> 90% pure (SDS-PAGE). Protein A chromatography
<b>Conjugate</b>	Unconjugated
<b>Applications</b>	Suitable for use in ELISA. Can be used for Lateral Flow assays. Each laboratory should determine an optimum working titer for use in its particular application. Other applications have not been tested but use in such assays should not necessarily be excluded. Recommended pair for sandwich immunoassay: Capture DCAB-TJ228 Detection DMABT-H4162MH
<b>Procedure</b>	Matched Antibody Pairs
<b>Format</b>	Purified, Liquid
<b>Concentration</b>	5.0 mg/mL (OD280 nm, E0.1% = 1.4)
<b>Buffer</b>	PBS, pH 7.4
<b>Preservative</b>	0.1% Sodium Azide
<b>Storage</b>	Store at 2-8°C.
<b>Warnings</b>	Centrifuge before opening to ensure complete recovery of vial contents. This product contains sodium azide, which has been classified as Xn (Harmful) in European Directive 67/548/EEC in the concentration range of 0.1-1.0%. When disposing of this reagent through lead or copper

plumbing, flush with copious volumes of water to prevent azide build-up in drains.

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## BACKGROUND

### Introduction

Prostate-specific antigen (PSA), also known as gamma-seminoprotein or kallikrein-3 (KLK3), is a glycoprotein enzyme encoded in humans by the KLK3 gene. PSA is a member of the kallikrein-related peptidase family and is secreted by the epithelial cells of the prostate gland. PSA is produced for the ejaculate, where it liquefies semen in the seminal coagulum and allows sperm to swim freely. It is also believed to be instrumental in dissolving cervical mucus, allowing the entry of sperm into the uterus.

### Keywords

PSA epitope 4; Prostate-specific antigen; PSA; Prostate-specific antigen epitope 4

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