



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

Specificity	Total PSA, epitope 4
Immunogen	Human PSA antigen purified from seminal plasma
Isotype	IgG2a
Source/Host	Mouse
Species Reactivity	Human
Clone	2I23
Affinity Constant	Not determined
Purification	> 90% pure (SDS-PAGE). Protein A chromatography
Conjugate	Unconjugated
Applications	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
Format	Purified, Liquid
Concentration	5.0 mg/mL (OD280 nm, E0.1% = 1.4)
Size	1 mg

Buffer	PBS, pH 7.4
Preservative	0.1% Sodium Azide
Storage	Store at 2-8°C.

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