

Monoclonal Anti-human Prostate Specific Antigen (PSA)

Specification Sheet

Catalog #:	MP013
Lot #:	1020
Description:	Monoclonal Anti-Human Free and Intact Prostate Specific Antigen
Specificity:	This antibody reacts with free PSA and PSA-ACT (PSA-alpha 1-antichymotrypsin) complex. There is no cross reactivity with human kallikrein and ACT.
Clone:	3D4
Host Animal:	Hybridization of P3x63-Ag 9.653 myeloma cells with spleen cells from Balb/c mouse
Isotype:	IgG1
Source:	Mouse ascites
Immunogen:	PSA purified from human seminal fluid
Format:	Purified, liquid
Purification:	DEAE chromatography
Concentration:	3.98 mg/mL (OD280 nm, $E^{0.1\%} = 1.40$)
Affinity Constant:	Not determined
Buffer:	0.015M potassium phosphate buffer, 0.85% NaCl, 0.05% NaN ₃ pH=7.2
Pairing Assays:	Pairs with MP010, MP011, MP012, MP014, MP016, MP017 and MP018.
Purity:	>95% by HPLC and SDS-PAGE
Application:	Free PSA and total PSA quantitative assays by EIA
Storage:	2-8° C for 1 year. Store at -20° C for long term.

For research use only