

Product Specification Sheet

**Human Prostate Specific Antigen (PSA) Antibody-Biotinylated**

<b>Cat. #</b>	PSA12-BTN
<b>Description</b>	Mouse Monoclonal Anti-Human PSA IgG # 2-Biotinylated
<b>Host Animal</b>	Mouse
<b>Isotype</b>	IgG1
<b>Affinity constant</b>	$9.1 \times 10^{10}$ l/mol
<b>Form</b>	Protein A/G affinity purified from ascites fluid supplied in PBS, pH 7.4 and 0.1% sodium azide as preservative
<b>Biotinylation</b>	<p>Purified antibody was coupled to Biotin using Biotinamidocaproate N-Hydroxysuccinimide Ester (BAC) at F/P ratio ~10-20:1. The antibody is supplied in PBS, pH 7.4, 0.2% BSA and 0.05% azide in either <b>lyophilized</b> (100 ul) or <b>liquid</b> form (~100 ul). Antibody concn is 0.5-1 mg/ml. Reconstitute powder in PBS in 0.1 ml to prepare 0.5 mg/ml solution. Store at -20oC in suitable aliquots. Stability is ~6-12 months. Do not freeze and thaw.</p> <p>Suggested conjugate dilutions are 1:5,000-1:30,000 ELISA, 1:2K-1:10K for western.</p>
<b>Quality Control</b>	Biotinylation of antibody was tested using ADI universal biotin detection kit #80310. PSA12-BTN was detectable <1 ng/ml.
<b>Storage</b>	Short term at 2-8oC; Long term at -20oC
<b>Stability</b>	~1 year or more at -20oC; Avoid repeated freeze and thaw.
<b>Specificity and crossreactivity</b>	<p>PSA/ACT complex 80%; &lt;0.1% with PAP and Kalikrein</p> <p>No detectable reactivity with beta HCG, hLH, hFSH, hTSH</p>
<b>Suggested Usage</b>	<p>Suitable for ELISA as coating antibody; concentrations and coating conditions must be optimized for the assay.</p> <p>Contains minimal concn of sodium azide (sigma). Consult the handling and disposal recommendations of sodium azide</p>
<b>MSDS Info</b>	

PSA12-BTN

101213A