

## Anti-PSCA Antibody Picoband® Fluoro647 Conjugated

Catalog Number: PB9351-Fluoro647

### About PSCA

PSCA is also known as PRO232. This gene encodes a glycosylphosphatidylinositol-anchored cell membrane glycoprotein. In addition to being highly expressed in the prostate it is also expressed in the bladder, placenta, colon, kidney, and stomach. This gene is up-regulated in a large proportion of prostate cancers and is also detected in cancers of the bladder and pancreas. This gene includes a polymorphism that results in an upstream start codon in some individuals; this polymorphism is thought to be associated with a risk for certain gastric and bladder cancers. Alternative splicing results in multiple transcript variants.

### Overview

Product Name	Anti-PSCA Antibody Picoband® Fluoro647 Conjugated
Reactive Species	Human, Mouse, Rat
Application	Flow Cytometry
Clonality	Polyclonal
Formulation	Each vial contains 50% glycerol, 0.9% NaCl, 0.2% Na <sub>2</sub> HPO <sub>4</sub> , 0.02% NaN <sub>3</sub> .
Storage Instructions	At -20°C for one year from date of receipt. Avoid repeated freezing and thawing. Protect from light.
Host	Rabbit
Uniprot ID	O43653

### Technical Details

Immunogen	E.coli-derived human PSCA recombinant protein (Position: L21-S95). Human PSCA shares 66% amino acid (aa) sequence identity with mouse PSCA.
Cross Reactivity	No cross-reactivity with other proteins.
Isotype	Rabbit IgG
Form	Liquid
Concentration	0.5 mg/mL
Purification	Immunogen affinity purified.
Conjugate	Fluoro647 Excitation Wavelength: 650 nm Emission Wavelength: 665 nm
Suggested Dilutions	Flow Cytometry, Optimal dilutions should be determined by end users.

## 2 Publications Citing This Product

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1. PubMed ID: 21429770, Zhao Z, Ma W, Zeng G, Qi D, Ou L, Liang Y. Urol Oncol. 2013 Apr;31(3):343-51. Doi: 10.1016/J.Urolonc.2011.02.004. Epub 2011 Mar 23. Small Interference Rna-Mediated Silencing Of Prostate Stem Cell Antigen Attenuates Growth, Reduces Migration And In...
2. PubMed ID: 27001215, PSCA rs2294008 polymorphism contributes to the decreased risk for cervical cancer in a Chinese population

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