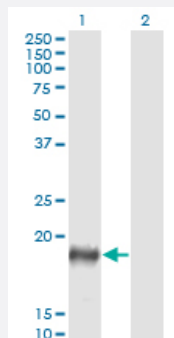


PSCA monoclonal antibody (M03), clone 5C2

Catalog # H00008000-M03

Size 100 ug

Applications

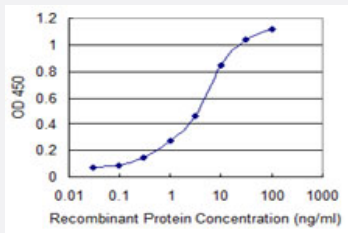


Western Blot (Transfected lysate)

Western Blot analysis of PSCA expression in transfected 293T cell line by PSCA monoclonal antibody (M03), clone 5C2.

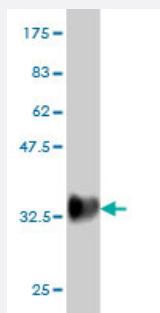
Lane 1: PSCA transfected lysate (12.9 KDa).

Lane 2: Non-transfected lysate.



Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSCA is 0.1 ng/ml as a capture antibody.



Western Blot detection against Immunogen (33.77 KDa).

Specification

Product Description

Mouse monoclonal antibody raised against a partial recombinant PSCA.

Immunogen	PSCA (NP_005663, 23 a.a. ~ 95 a.a) partial recombinant protein with GST tag. MW of the GST tag alone is 26 KDa.
Sequence	CYSCKAQVSNEDCLQVENCTQLGECWTARIRAVGLLTVISKGCSLNCVDDSQDYVVGKKNITC CDTDLCNAS
Host	Mouse
Reactivity	Human
Interspecies Antigen Sequence	Mouse (66); Rat (68)
Isotype	IgG2a Kappa
Quality Control Testing	Antibody Reactive Against Recombinant Protein. Western Blot detection against Immunogen (33.77 KDa) .
Storage Buffer	In 1x PBS, pH 7.4
Storage Instruction	Store at -20°C or lower. Aliquot to avoid repeated freezing and thawing.

Applications

- Western Blot (Transfected lysate)

Western Blot analysis of PSCA expression in transfected 293T cell line by PSCA monoclonal antibody (M03), clone 5C2.

Lane 1: PSCA transfected lysate(12.9 KDa).

Lane 2: Non-transfected lysate.

[Protocol Download](#)

- Western Blot (Recombinant protein)

[Protocol Download](#)

- Sandwich ELISA (Recombinant protein)

Detection limit for recombinant GST tagged PSCA is 0.1 ng/ml as a capture antibody.

[Protocol Download](#)

- ELISA

Gene Info — PSCA

Entrez GeneID	8000
GeneBank Accession#	NM_005672
Protein Accession#	NP_005663
Gene Name	PSCA
Gene Alias	PRO232
Gene Description	prostate stem cell antigen
Omim ID	602470
Gene Ontology	Hyperlink
Gene Summary	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 has a nonsynonymous nucleotide polymorphism at its start codon. [provided by RefSeq]
Other Designations	-

Publication Reference

- [Pre-conditioning Modifies the Tumor Microenvironment to Enhance Solid Tumor CAR T Cell Efficacy and Endogenous Protective Immunity.](#)

John P Murad, Dileshni Tilakawardane, Anthony K Park, Lupita S Lopez, Cari A Young, Jackson Gibson, Yukiko Yamaguchi, Hee Jun Lee, Kelly T Kennewick, Brenna J Gittins, Wen-Chung Chang, Chau P Tran, Catalina Martinez, Anna M Wu, Robert E Reiter, Tanya B Dorff, Stephen J Forman, Saul J Priceman.

Molecular Therapy 2021 Jul; 29(7):2335.

Application: IHC-P, Mouse, Mouse tumors

- [EXTRACELLULAR AND MEMBRANE-ASSOCIATED PROSTATE CANCER MARKERS.](#)

George G. Klee, George Vasmatazis, Farhad Kosari, Eric W. Klee

United States Patent Application Publication 2010 Feb; [Epub].

Application: Array, Mammal, Prostate cancer

Disease

- [Adenocarcinoma](#)
- [Carcinoma](#)
- [Disease Progression](#)
- [Genetic Predisposition to Disease](#)
- [Intestinal Neoplasms](#)
- [Neoplasms](#)
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