

Datasheet for ABIN7275411
PSCA Protein (AA 12-86) (Fc Tag)

2 Images

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Overview

Quantity:	100 µg
Target:	PSCA
Protein Characteristics:	AA 12-86
Origin:	Human
Source:	HEK-293 Cells
Protein Type:	Recombinant
Purification tag / Conjugate:	This PSCA protein is labelled with Fc Tag.

Product Details

Purpose:	Human PSCA Protein
Sequence:	Leu12-Ser86
Characteristics:	Recombinant Human PSCA Protein is expressed from HEK293 with hFc tag at the N-Terminus. It contains Leu12-Ser86.
Purity:	> 95 % as determined by Tris-Bis PAGE, > 95 % as determined by HPLC
Sterility:	0.22 µm filtered
Endotoxin Level:	Less than 1EU per µg by the LAL method.
Biological Activity Comment:	Immobilized Human PSCA, hFc Tag at 2µg/ml (100µl/Well) on the plate. Dose response curve for Biotinylated Anti-PSCA Ab., hFc Tag with the EC50 of 38.5ng/ml determined by ELISA. See testing image for detail.

Target Details

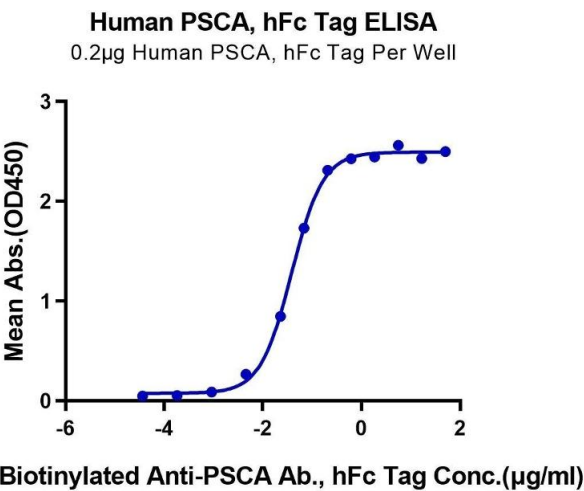
Target:	PSCA
Alternative Name:	PSCA (PSCA Products)
Background:	Gastric cancer is a deadly malignancy and is a prognostically unfavorable entity with restricted therapeutic strategies available. Prostate stem cell antigen (PSCA) is a glycosylphosphatidylinositol (GPI)-anchored cell surface protein widely expressed in bladder, prostate, and pancreatic cancers. Existing studies have thoroughly recognized the availability of utilizing anti-PSCA CAR-T cells in the treatment of metastatic prostate cancer and non-small-cell lung cancer.
Molecular Weight:	34.3 kDa. Due to glycosylation, the protein migrates to 40-50 kDa based on Tris-Bis PAGE result.
UniProt:	O43653

Application Details

Restrictions:	For Research Use only
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Handling

Format:	Lyophilized
Reconstitution:	Centrifuge the tube before opening. Reconstituting to a concentration more than 100 µg/mL is recommended. Dissolve the lyophilized protein in distilled water.
Buffer:	Lyophilized from 0.22µm filtered solution in PBS (pH 7.4). Normally 8 % trehalose is added as protectant before lyophilization.
Storage:	-20 °C,-80 °C
Storage Comment:	-20 to -80°C for 12 months as supplied from date of receipt.,-80°C for 3-6 months after reconstitution.,2-8°C for 2-7 days after reconstitution.,Recommend to aliquot the protein into smaller quantities for optimal storage. Please minimize freeze-thaw cycles.
Expiry Date:	12 months



ELISA

Image 1. Immobilized Human PSCA, hFc Tag at 2 µg/mL (100 µL/Well) on the plate. Dose response curve for Biotinylated Anti-PSCA Ab., hFc Tag with the EC50 of 38.5 ng/mL determined by ELISA.

SDS-PAGE

Image 2. Human PSCA on Tris-Bis PAGE under reduced condition. The purity is greater than 95 % .