Datasheet for ABIN7654161

anti-PSMA antibody (AA 232-433) (CF®594)

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Overview

Quantity:	100 µL
Target:	PSMA (FOLH1)
Binding Specificity:	AA 232-433
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This PSMA antibody is conjugated to CF®594
Application:	Please inquire

Product Details

Purpose:	FOLH1 / PSMA (Prostate Epithelial Marker)(FOLH1/2121), CF594 conjugate
Immunogen:	Recombinant human FOLH1 protein fragment (around aa 232-433)
Clone:	FOLH1-2121
Isotype:	IgG2b, kappa
Characteristics:	Folate hydrolase 1 (FOLH1), also known as Prostate-specific membrane antigen (PSMA), is a type II transmembrane glycoprotein belonging to the M28 peptidase family. FOLH1 has two enzymatic activities, one as a prostate-specific integral membrane folate hydrolase and the other as a carboxypeptidase. In the prostate the protein is up-regulated in cancerous cells and is used as an effective diagnostic and prognostic indicator of prostate cancer. Primary antibodies are available purified, or with a selection of fluorescent CF® Dyes and other labels. CF® Dyes offer exceptional brightness and photostability. Note: Conjugates of blue fluorescent

Product Details

	dyes like CF®405S and CF®405M are not recommended for detecting low abundance targets, because blue dyes have lower fluorescence and can give higher non-specific background than other dye colors.

Target Details

Target:	PSMA (FOLH1)
Alternative Name:	FOLH1
Background:	Synonyms: Cell growth-inhibiting gene 27 protein (GIG27), Folylpoly-gamma-glutamate carboxypeptidase (FGCP), Glutamate carboxylase II (GCPII), N-acetylated-alpha-linked acidic dipeptidase I (NAALAD1 or NAALADase), Prostate-specific membrane antigen (PSM or PSMA), Pteroylpoly-gamma-glutamate carboxypeptidase Gene Symbol: FOLH1 Tissue Expression: Prostate
Molecular Weight:	100 kDa
Gene ID:	2346
UniProt:	Q04609

Application Details

Application Notes:	For coating for ELISA, order Ab without BSA. Higher concentration may be required for direct detection using primary antibody conjugates than for indirect detection with secondary antibody. Optimal dilution and staining procedure for a specific application should be determined by user. Recommended starting concentrations for titration are 1-2 µg/mL for most applications, or 1 µg/million cells/100 µLfor flow cytometry
Comment:	Positive Control: LNCap or HepG2 cells. Prostate Carcinoma.
Restrictions:	For Research Use only

Handling

Format:	Liquid
Concentration:	0.1 mg/mL
Buffer:	PBS, 0.1 % BSA, 0.05 % azide
Preservative:	Sodium azide

Handling

Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
Handling Advice:	Protect from light
Storage:	4 °C
Storage Comment:	Stable at room temperature or 37°C for 7 days. Protect from light Store at 2 to 8°C. Protect fluorescent conjugates from light
Expiry Date:	24 months