

Datasheet for ABIN238332

anti-ACPP antibody

4 Images

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Overview

Quantity:	100 µg
Target:	ACPP
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Conjugate:	This ACPP antibody is un-conjugated
Application:	Flow Cytometry (FACS), Cell-ELISA (cELISA)

Product Details

Immunogen:	genetic immunisation with cDNA encoding human PAP
Clone:	LT-3D1
Isotype:	IgG1
Purification:	Protein G

Target Details

Target:	ACPP
Alternative Name:	PAP (ACPP Products)
Background:	Human prostatic acid phosphatase (PAP) is a non-specific phosphomonoesterase, synthesised and secreted into seminal plasma under androgenic control. Human PAP is a 100 kDa glycoprotein containing two subunits of approximately 50 kDa each. It catalyses the dephosphorylation of organic monophosphate esters, demonstrating optimum activity at an

Target Details

acid pH. Produced by the prostatic epithelium, serum levels of PAP are very low in healthy individuals, but are often elevated in malignant and benign prostatic disease while it has been used as a marker of diagnosis and therapy control of cancer of the prostate gland.

UniProt:	P15309
Pathways:	Synaptic Membrane , Ribonucleoside Biosynthetic Process

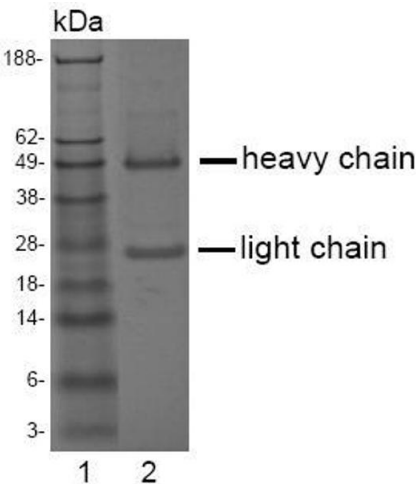
Application Details

Application Notes:	Flow cytometry: 1.2 µg/10 ⁶ cells CELISA: 1:200 - 1:400 For each application a titration should be performed to determine the optimal concentration.
Restrictions:	For Research Use only

Handling

Concentration:	2 mg/mL
Buffer:	PBS, pH 7.2
Handling Advice:	Avoid repeated freezing and thawing.
Storage:	4 °C
Storage Comment:	short term: 2 °C - 8 °C, long term: -20 °C

Images



Western Blotting

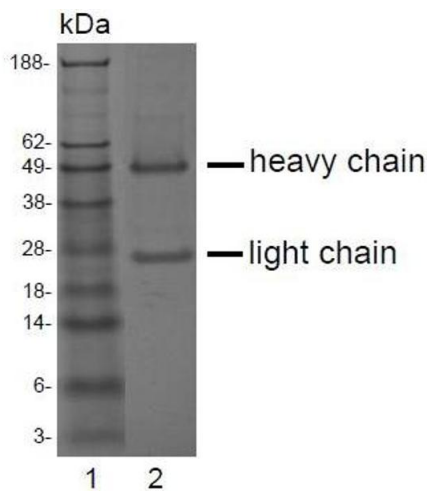
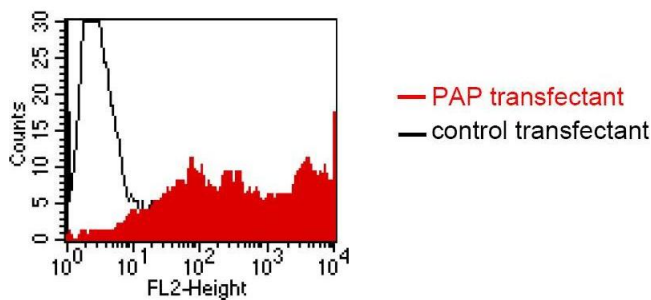
Image 1. SDS-PAGE analysis of purified LT-3D1 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified LT-3D1 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain™ Reagent.

Flow Cytometry

Image 2. FACS analysis of BOSC23 cells using LT-3D1. BOSC23 cells were transiently transfected with an expression vector encoding either PAP (red curve) or an irrelevant protein (control transfectant: black curve). Binding of LT-3D1 was detected with a PE-conjugated secondary antibody. A positive signal was obtained only with PAP transfected cells.

SDS-PAGE

Image 3. SDS-PAGE analysis of purified LT-3D1 monoclonal antibody. Lane 1: molecular weight marker, Lane 2: 2 µg of purified LT-3D1 antibody. Proteins were separated by SDS-PAGE and stained with RAPID Stain™ Reagent.



Please check the [product details page](#) for more images. Overall 4 images are available for ABIN238332.