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Datasheet for ABIN7193977

## anti-Adenosine Triphosphate antibody (AA 44-220)

### 2 Images

#### Overview

Quantity:	0.1 mg
Target:	Adenosine Triphosphate (ATP)
Binding Specificity:	AA 44-220
Reactivity:	Human
Host:	Mouse
Clonality:	Monoclonal
Application:	ELISA, Flow Cytometry (FACS)

#### Product Details

Immunogen:	Purified recombinant fragment of human ATP (AA: 44-220) expressed in E. coli.
Clone:	2F2C1
Isotype:	IgG1
Purification:	purified

#### Target Details

Target:	Adenosine Triphosphate (ATP)
Alternative Name:	ATP ( <a href="#">ATP Products</a> )
Target Type:	Chemical
Background:	Description: This gene encodes a subunit of mitochondrial ATP synthase. Mitochondrial ATP synthase catalyzes ATP synthesis, using an electrochemical gradient of protons across the

## Target Details

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inner membrane during oxidative phosphorylation. ATP synthase is composed of two linked multi-subunit complexes: the soluble catalytic core, F1, and the membrane-spanning component, Fo, comprising the proton channel. The catalytic portion of mitochondrial ATP synthase consists of 5 different subunits (alpha, beta, gamma, delta, and epsilon) assembled with a stoichiometry of 3 alpha, 3 beta, and a single representative of the other 3. The proton channel consists of three main subunits (a, b, c). This gene encodes the alpha subunit of the catalytic core. Alternatively spliced transcript variants encoding the different isoforms have been identified. Pseudogenes of this gene are located on chromosomes 9, 2, and 16. [provided by RefSeq, Mar 2012]

Aliases: OMR, ORM, ATPM, MOM2, ATP5A, hATP1, ATP5A1, MC5DN4, ATP5AL2, COXPD22, HEL-S-123m

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Molecular Weight:	59.7 kDa
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Gene ID:	498
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## Application Details

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Application Notes:	FCM:1:200 - 1:400, ELISA:1:10000,
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Restrictions:	For Research Use only
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## Handling

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Buffer:	Purified antibody in PBS with 0.05 % sodium azide
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Preservative:	Sodium azide
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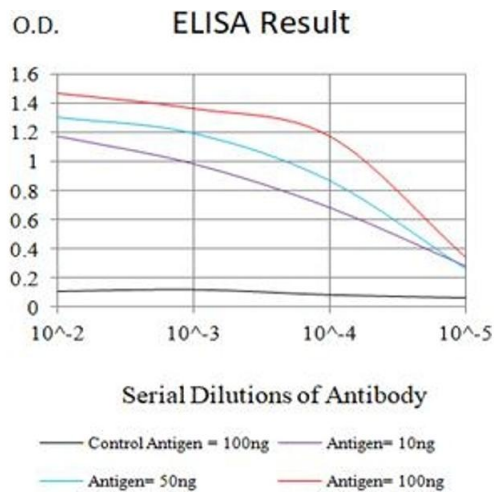
Precaution of Use:	This product contains Sodium azide: a POISONOUS AND HAZARDOUS SUBSTANCE which should be handled by trained staff only.
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Storage:	4 °C/-20 °C
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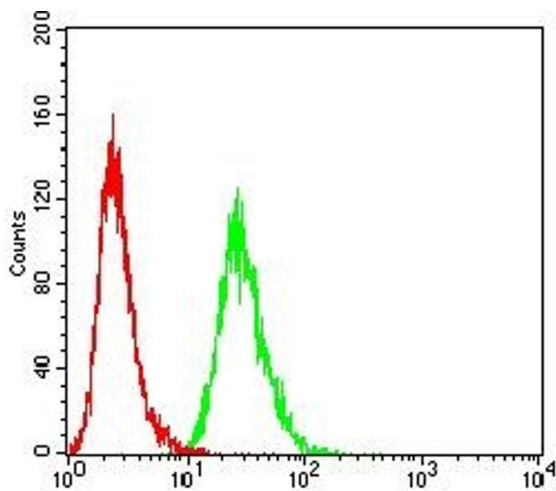
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Storage Comment:	4°C, -20°C for long term storage
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### ELISA

**Image 1.** Black line: Control Antigen (100 ng), Purple line: Antigen (10 ng), Blue line: Antigen (50 ng), Red line: Antigen (100 ng)



### Flow Cytometry

**Image 2.** Flow cytometric analysis of Hela cells using ATP mouse mAb (green) and negative control (red).