

# ALDH1 / ALDH1A1 / ALDC Antibody, Mouse MAb



Sino Biological  
Biological Solution Specialist

Catalog Number: 11388-MM03

## GENERAL INFORMATION

<b>Immunogen:</b>	Recombinant Human ALDH1 protein (Catalog#11388-H07E)
<b>Preparation</b>	This antibody was produced from a hybridoma resulting from the fusion of a mouse myeloma with B cells obtained from a mouse immunized with purified, recombinant Human ALDH1 (rh ALDH1; Catalog#11388-H07E; NP_000680.2; Ser 2-Ser 501). The IgG fraction of the cell culture supernatant was purified by Protein A affinity chromatography
<b>Ig Type:</b>	Mouse IgG1
<b>Clone ID:</b>	5G9E6C9
<b>Specificity:</b>	Human ALDH1 / ALDH1A1 / ALDC No cross-reactivity with E.coli cell lysate in ELISA
<b>Formulation:</b>	0.2 µm filtered solution in PBS
<b>Storage:</b>	This antibody can be stored at 2°C-8°C for one month without detectable loss of activity. Antibody products are stable for twelve months from date of receipt when stored at -20°C to -80°C. Preservative-Free. Avoid repeated freeze-thaw cycles.
<b>Alternative Names:</b>	ALDC,ALDH-E1,ALDH1,ALDH11,HEL-9,HEL-S-53e,HEL12,PUMB1,RALDH1

## APPLICATIONS

<b>Applications:</b>	WB,ELISA,FCM,ICC/IF
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## RECOMMENDED CONCENTRATION

<b>ICC/IF</b>	ICC/IF: 1:20-1:100
<b>Flow Cytometry</b>	FCM: 1:25-1:100
<b>Western Blot</b>	WB: 1:500-1:2000
<b>ELISA</b>	ELISA: 1:1000-1:2000 This antibody can be used at 1:1000-1:2000 with the appropriate secondary reagents to detect Human ALDH1A1.

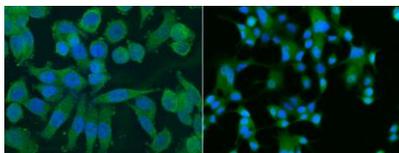
**Please Note: Optimal concentrations/dilutions should be determined by the end user.**

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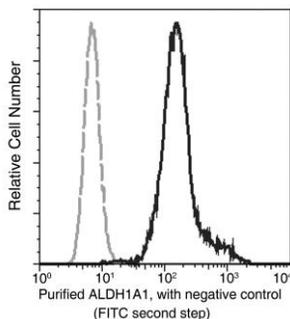


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Immunofluorescence staining of Human ALDH1A1 in MCF7 or SKBR3 cells. Cells were fixed with 4% PFA, permeabilized with 1% Triton X-100 in PBS, blocked with 10% serum, and incubated with mouse anti-Human ALDH1A1 monoclonal antibody (1:60). Then cells were stained with the Alexa Fluor® 488-conjugated Goat Anti-mouse IgG secondary antibody (left panel, captured by laser confocal scanning microscope; right panel, captured by fluorescence microscope), counterstained with DAPI (blue). Positive staining was localized to cytoplasm.



Flow cytometric analysis of Human ALDH1A1 on A549 cells. Cells were treated according to manufacturer's manual (BD Pharmingen™ Cat. No. 554714), stained with purified anti-Human ALDH1A1, then a FITC-conjugated second step antibody. The histogram were derived from gated events with the forward and side light-scatter characteristics of intact cells.

Flow cytometry was performed on a BD FACSCalibur flow cytometry system. Please refer to [www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html](http://www.sinobiological.com/Flow-Cytometry-FACS-Protocols-a-750.html) for technical protocols.



Anti-ALDH1A1 mouse monoclonal antibody at 1:500 dilution  
Lane A: HepG2 Whole Cell Lysate

Lysates/proteins at 30 µg per lane.  
Secondary Rabbit Anti-Mouse IgG F(ab)<sub>2</sub>/HRP at 1/10000 dilution.

Developed using the ECL technique.  
Performed under reducing conditions.

Predicted band size: 55 kDa  
Observed band size: 55 kDa