ALDH1 monoclonal antibody (5G9E6C9)

This antibody is a useful tool to study cancer biology, stem cell characteristics, and therapeutic resistance.

Aldehyde dehydrogenase 1 (ALDH1) is a family of enzymes involved in cellular detoxification and the metabolism of aldehydes to carboxylic acids. ALDH1 is considered a marker of stem cells, particularly in cancer research, where its high expression is linked to cancer stem cell populations.

This antibody is covered by our Worry-Free Guarantee.

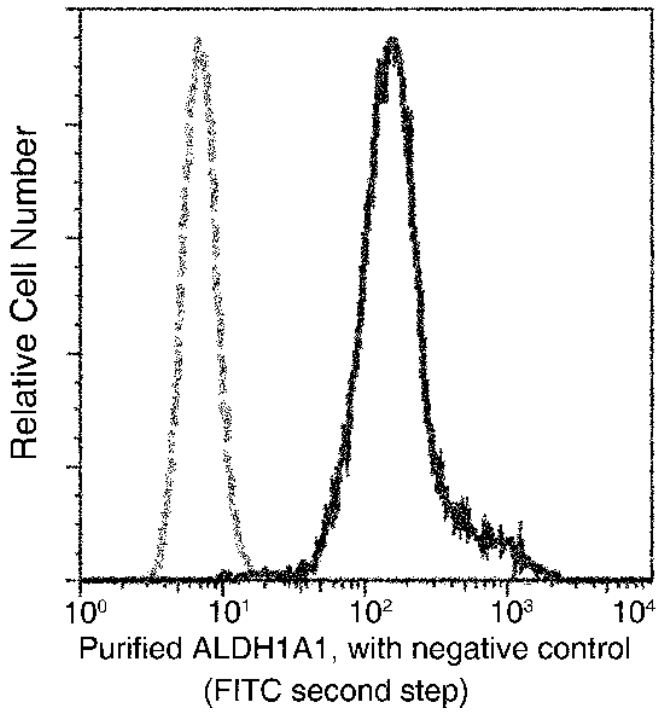
Ordering Information

Order Online »

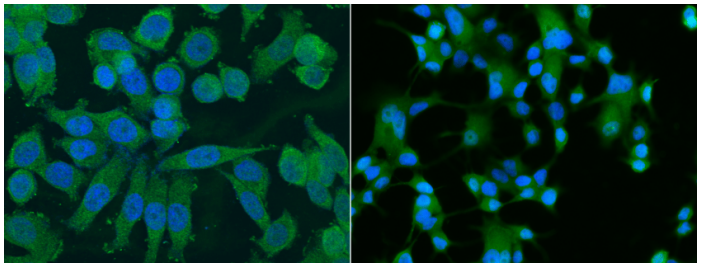
ENZ-ABS1028-0100	100µl

Manuals, SDS & CofA

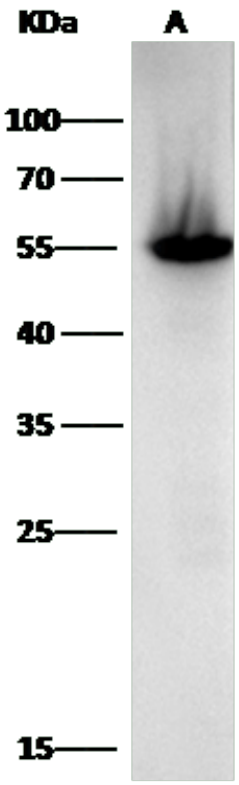
View Online »



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.



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), counter stained with DAPI (blue). Positive staining was localized to cytoplasm.



Anti-ALDH1A1 mouse monoclonal antibody at 1:500 dilution
Lane A: HepG2 Whole Cell Lysate
Lysates/proteins at 30 µg per lane.

Handling & Storage

Handling	Avoid freeze-thaw cycles.
Long Term Storage	-20°C
Shipping	Blue Ice

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Aldehyde dehydrogenase 1, ALDH1A1
Application	ELISA, Flow Cytometry, ICC, IF, WB
Clone	5G9E6C9
Formulation	Liquid. 0.2 µm filtered solution in PBS. Preservative free. Carrier-free.
Host	Mouse
Immunogen	Recombinant human ALDH1.
Isotype	IgG
Purity Detail	Protein A purified.
Recommendation Dilutions/Conditions	ELISA (1:1'000-1:2'000)Western Blot (1:500-1:2'000)Immunocytochemistry / Immunofluorescence (1:20-1:100)Flow Cytometry (1:25-1:100)Suggested dilutions/conditions may not be available for all applications.Optimal conditions must be determined individually for each application.
Species Reactivity	Human
Worry-free Guarantee	**This antibody is covered by our Worry-Free Guarantee .**

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