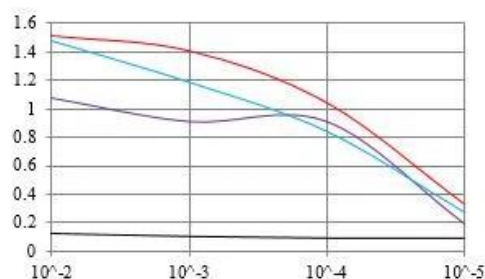


|                          |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
|--------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Product name:</b>     | ALDH1L1 Mouse Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Cat number:</b>       | MABN82834                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| <b>Conjugate:</b>        | Unconjugated                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Size:</b>             | 100ul                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Clone:</b>            | Monoclonal                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Concentration:</b>    | 1mg/ml                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Host:</b>             | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Isotype:</b>          | Mouse IgG1                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>Immunogen:</b>        | Purified recombinant fragment of human ALDH1L1 (AA: 10-222) expressed in E. Coli.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Reactivity:</b>       | Human, Mouse, Rat                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| <b>Applications:</b>     | WB 1:500-1:2000,IHC 1:200-1:1000,ELISA 1:5000-1:20000,FC 1:200-1:400                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Molecular Weight:</b> | 8kDa                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Purification:</b>     | Affinity purification                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Form:</b>             | liquid                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| <b>Buffer:</b>           | Purified antibody in PBS with 0.05% sodium azide                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| <b>Storage:</b>          | Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Background:</b>       | <p>The protein encoded by this gene catalyzes the conversion of 10-formyltetrahydrofolate, nicotinamide adenine dinucleotide phosphate (NADP+), and water to tetrahydrofolate, NADPH, and carbon dioxide. The encoded protein belongs to the aldehyde dehydrogenase family. Loss of function or expression of this gene is associated with decreased apoptosis, increased cell motility, and cancer progression. There is an antisense transcript that overlaps on the opposite strand with this gene locus. Alternative splicing results in multiple transcript variants.</p> |

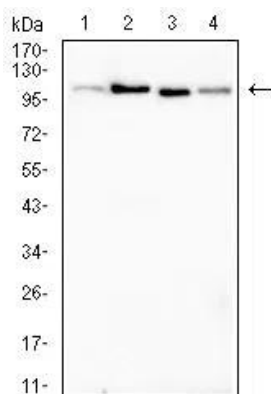
**O.D. ELISA Result**



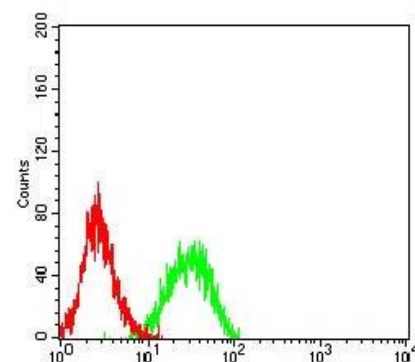
Serial Dilutions of Antibody

— Control Antigen = 100ng — Antigen = 10ng  
— Antigen = 50ng — Antigen = 100ng

Black line: Control Antigen (100 ng); Purple line: Antigen (10ng); Blue line: Antigen (50 ng); Red line: Antigen (100 ng)



Western blot analysis using ALDH1L1 mouse mAb against Rat kidney (1), Mouse liver (2), Rat liver (3) and Mouse kidney (4) tissue lysate.



Flow cytometric analysis of Jurkat cells using ALDH1L1 mouse mAb (green) and negative control (red).