

# Fumarate Hydratase / FH Antibody, Mouse MAb



Sino Biological  
Biological Solution Specialist

Catalog Number: 12115-MM03

## GENERAL INFORMATION

|                     |                                                                                                                                                                                                                                                                                                                                                                                |
|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Immunogen:</b>   | Recombinant Human Fumarate Hydratase / FH protein (Catalog#12115-H08E)                                                                                                                                                                                                                                                                                                         |
| <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 Fumarate Hydratase / FH (rh Fumarate Hydratase / FH; Catalog#12115-H08E; P07954-1; Ala 45-Lys 510). 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>    | 3D5A3G7                                                                                                                                                                                                                                                                                                                                                                        |
| <b>Specificity:</b> | Human Fumarate Hydratase / FH                                                                                                                                                                                                                                                                                                                                                  |
|                     | No cross-reactivity in ELISA with E.coli cell lysate                                                                                                                                                                                                                                                                                                                           |
| <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.                                                                                                                             |

## APPLICATIONS

|                      |             |
|----------------------|-------------|
| <b>Applications:</b> | WB,ELISA,IP |
|----------------------|-------------|

## RECOMMENDED CONCENTRATION

|                            |                                                                                                                                  |
|----------------------------|----------------------------------------------------------------------------------------------------------------------------------|
| <b>Western Blot</b>        | WB: 1:500-1:1000                                                                                                                 |
| <b>Immunoprecipitation</b> | IP: 0.2-1 µL/mg of lysate                                                                                                        |
| <b>ELISA</b>               | ELISA: 1:5000-1:10000<br>This antibody can be used at 1:5000-1:10000 with the appropriate secondary reagents to detect Human FH. |

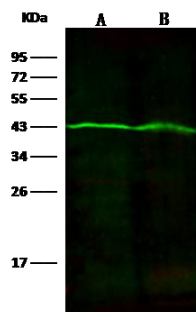
**Please Note: Optimal concentrations/dilutions should be determined by the end user.**

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Anti-FH mouse monoclonal antibody at 1:500 dilution

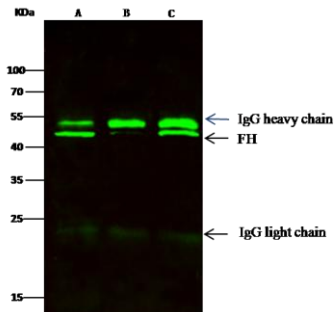
Lane A: HeLa Whole Cell Lysate  
Lane B: 293T Whole Cell Lysate

Lysates/proteins at 30 µg per lane.

Secondary  
Goat Anti-Mouse IgG H&L (Dylight800) at 1/15000 dilution.

Developed using the Odyssey technique.  
Performed under reducing conditions.

Predicted band size: 55 kDa  
Observed band size: 47 kDa



FH was immunoprecipitated using:

Lane A: 0.5 mg HeLa Whole Cell Lysate  
Lane B: 0.5 mg 293T Whole Cell Lysate  
Lane C: 0.5 mg A431 Whole Cell Lysate

0.5 µL anti-FH mouse monoclonal antibody  
and 15 µl of 50 % Protein G agarose.

Primary antibody:

Anti-FH mouse monoclonal antibody, at 1:250 dilution

Secondary antibody:

Dylight 800-labeled antibody to Mouse IgG (H+L), at 1:7500 dilution

Developed using the odyssey technique.  
Performed under reducing conditions.

Predicted band size: 55 kDa  
Observed band size: 48 kDa