

## Fumarase/FH Mouse Monoclonal Antibody

### Catalog #: EAB11971

| Host/Isotype | Clonality  | Applications      | MW (kDa) | Reactivity        |
|--------------|------------|-------------------|----------|-------------------|
| Mouse IgG1   | Monoclonal | WB, IHC-P, IF/ICC | 50       | Human, Mouse, Rat |

### Applications Dilutions

The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.

|  |             |
|--|-------------|
| WB(Western Blotting)                           | 1:1000-5000 |
| IHC-P(Immunohistochemistry-Paraffin)           | 1:100-500   |
| IF/ICC(Immunofluorescence/Immunocytochemistry) | 1:100-500   |

### Product Information

|                |   |
|----------------|---|
| Conjugate      | Unconjugate   |
| Specificity    | Fumarase/FH Mouse Monoclonal Antibody detects endogenous levels of Fumarase/FH protein.   |
| Purification   | Affinity purification   |
| Concentration  | 1mg/ml  |
| Format         | Liquid  |
| Formulation    | In PBS, pH 7.4, Containing 0.02% sodium azide, 0.5% BSA and 50% Glycerol.   |
| Shipping       | Gel Pack  |
| Storage        | Store at -20°C least 1 year from the date of shipment. Avoid repeated freeze/thaw cycles. Aliquots may be stored at +4°C for 1-2 weeks. |
| UniProt ID     | <a href="#">P07954</a>  |
| Entrez-Gene ID | <a href="#">2271</a>  |

### Product Description

The protein encoded by this gene is an enzymatic component of the tricarboxylic acid (TCA) cycle, or Krebs cycle, and catalyzes the formation of L-malate from fumarate. It exists in both a cytosolic form and an N-terminal extended form, differing only in the translation start site used. The N-terminal extended form is targeted to the mitochondrion, where the removal of the extension generates the same form as in the cytoplasm. It is similar to some thermostable class II fumarases and functions as a homotetramer. Mutations in this gene can cause fumarase deficiency and lead to progressive encephalopathy.

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