

## FABP1/L-FABP Protein, Mouse (His)

<b>Cat. No.:</b>	HY-P71935A
<b>Synonyms:</b>	Fabp1; FabplFatty acid-binding protein; liver; 14 kDa selenium-binding protein; Fatty acid-binding protein 1; Liver-type fatty acid-binding protein; L-FABP
<b>Species:</b>	Mouse
<b>Source:</b>	E. coli
<b>Accession:</b>	P12710 (M1-I127)
<b>Gene ID:</b>	14080
<b>Molecular Weight:</b>	Approximately 15 kDa

### PROPERTIES

<b>AA Sequence</b>	<p>M N F S G K Y Q L Q      S Q E N F E P F M K      A I G L P E D L I Q      K G K D I K G V S E</p> <p>I V H E G K K I K L      T I T Y G P K V V R      N E F T L G E E C E      L E T M T G E K V K</p> <p>A V V K L E G D N K      M V T T F K G I K S      V T E L N G D T I T      N T M T L G D I V Y</p> <p>K R V S K R I</p>
<b>Biological Activity</b>	Data is not available.
<b>Appearance</b>	Lyophilized powder.
<b>Formulation</b>	Lyophilized from a 0.2 µm filtered solution of 50 mM Tris-HCL, 300 mM NaCl, pH 7.4 or PBS, 300 mM NaCl, pH 7.4.
<b>Endotoxin Level</b>	<1 EU/µg, determined by LAL method.
<b>Reconstitution</b>	It is not recommended to reconstitute to a concentration less than 100 µg/mL in ddH <sub>2</sub> O. For long term storage it is recommended to add a carrier protein (0.1% BSA, 5% HSA, 10% FBS or 5% Trehalose).
<b>Storage &amp; Stability</b>	Stored at -20°C for 2 years. After reconstitution, it is stable at 4°C for 1 week or -20°C for longer (with carrier protein). It is recommended to freeze aliquots at -20°C or -80°C for extended storage.
<b>Shipping</b>	Room temperature in continental US; may vary elsewhere.

### DESCRIPTION

<b>Background</b>	The FABP1/L-FABP protein plays a crucial role in facilitating the uptake of cholesterol by hepatocytes through lipoproteins. It has the ability to bind cholesterol, as well as other molecules like free fatty acids and their coenzyme A derivatives, bilirubin, and various small molecules within the cytoplasm. Moreover, there is a potential involvement of FABP1/L-FABP in intracellular lipid transport processes.
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**Caution: Product has not been fully validated for medical applications. For research use only.**

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