

## CERTIFICATE OF ANALYSIS – TECHNICAL DATA SHEET

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<b>Product name</b>	L-FABP, Rat, Recombinant (E.coli-derived)		
<b>Catalog number</b>	HC3102		
<b>Lot number</b>	-	<b>Expiry date</b>	-
<b>Volume</b>	Reconstitute with 0.5 ml distilled/de-ionized water	<b>Activity</b>	N.A.
<b>Formulation</b>	Lyophilized product in TBS	<b>Amount</b>	40 µg
<b>Host Species</b>	Recombinant N-terminal His-tag protein expressed in E.coli, MW 19 kD	<b>Concentration</b>	N.A.
<b>Endotoxin</b>	N.A.	<b>Purification</b>	N.A.
<b>Storage</b>	4°C	<b>Purity</b>	>95%

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### Application notes

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For dilutions use protein stabilized phosphate buffered saline, pH7. It is recommended that users test the reagent and determine their own optimal dilutions.

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### General Information

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<b>Description</b>	Rat liver fatty acid binding protein (L-FABP) is derived from the FABP1 gene. FABPs are small intracellular proteins (~13-14 kDa) with a high degree of tissue specificity that bind long chain fatty acids. They are abundantly present in various cell types and seem to play an important role in the intracellular utilization of fatty acids, transport and metabolism. There are at least nine distinct types of FABP, each showing a specific pattern of tissue expression. Due to its small size, FABP leaks rapidly out of ischemically damaged necrotic cells leading to a rise in serum levels. Ischemically damaged tissues are characterized histologically by absence (or low presence) of FABP facilitating recognition of such areas. L-FABP is localized in the liver, kidney and intestinal epithelium.
<b>Aliases</b>	Liver fatty acid binding protein, FABP1
<b>Storage&amp;stability</b>	Lyophilized product should be stored at 4°C. Store stock solution in aliquots at -20°C. Repeated freeze and thaw cycles will cause loss of activity. Under recommended storage conditions, product is stable for one year.
<b>Precautions</b>	Caution: vial is under vacuum. For research use only. Not for use in or on humans or animals or for diagnostics. It is the responsibility of the user to comply with all local/state and federal rules in the use of this product. Hycult Biotech is not responsible for any patent infringements that might result from the use or derivation of this product.

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We hereby certify that the above-stated information is correct and that this product has been successfully tested by the Quality Control Department. This product was released for sale according to the existing specifications. This document has been produced electronically and is valid without a signature.

Approved by Manager of QC  
Robbert Zwinkels

Date  
29/03/2018

Do you have any questions or comments regarding this product? Please contact us via [support@hycultbiotech.com](mailto:support@hycultbiotech.com).