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Certificate of Analysis and Data Sheet

Recombinant Human Fatty Acid Binding Protein-3

Catalog No.
228-10424

Source:
Escherichia Coli.

Synonyms

Fatty acid-binding protein heart, H-FABP, Heart-type fatty acid-binding protein, Muscle fatty acid-binding protein, M-FABP, Mammary-derived growth inhibitor, MDGI, FABP3, FABP11, O-FABP.

Introduction

Recombinant Fatty Acid Binding Protein is a newly introduced plasma marker of acute myocardial infarction (AMI). The plasma kinetics of FABP (15kD) closely resemble those of myoglobin in that elevated plasma concentrations are found within 2 hours after AMI and return to normal generally within 18 to 24 hours. But the concentration of FABP in the skeletal muscle is 20 times lower than in cardiac tissue (for myoglobin the same content for cardiac and skeletal tissue), that makes FABP to be more cardiac specific than myoglobin. This makes FABP a useful biochemical marker for the early assessment or exclusion of AMI. FABP also appears to be a useful plasma marker for the estimation of myocardial infarct size.

Physical Appearance

Sterile filtered liquid formulation

Formulation

50mM phosphate borate buffer pH-8

Purity

Greater than 90.0% as determined by:

- (a) Analysis by RP-HPLC
- (b) Analysis by SDS-PAGE

Stability

Recombinant FABP3 although stable at 10°C for 7 days, should be stored desiccated below -20°C for long term periods.

Please avoid freeze-thaw cycles.

Applications

Immunoassays and western blot

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**