

Product: Fatty Acid Binding Protein (FABP), human, recombinant
Catalog #: 12-4400
Amount: 10 µg

DESCRIPTION: Recombinant human Fatty Acid Binding Protein (rhFABP)
FABP 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.

SOURCE: *Escherichia coli*

PURITY: > 90%, as determined by:
(a) Analysis by RP-HPLC and anion-exchange FPLC
(b) Analysis by reducing and non-reducing SDS-PAGE Silver Stained gel

ENDOTOXIN: < 0.1 ng/µg (IEU/µg) of rHuFABP

DIMERS & AGGREGATES: < 1% as determined by silver stained SDS-PAGE gel analysis

PROTEIN CONTENT: Protein quantitation was carried out by 2 independent methods:
- UV spectroscopy at 280 nm
- Analysis by RP-HPLC, using a standard solution of HuFABP as a Reference Standard

FORM: Purified, in 50mM phosphate borate buffer pH-8

APPLICATION: Immunoassays
Immunoblotting (western)

STORAGE: -20°C (aliquot), avoid freezing and thawing cycles

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