



# DataSheet

**CATALOGUE #:** 8F65

**PRODUCT NAME:** Fatty acid binding protein (FABP), human

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**Source:** Human cardiac muscle tissue.  
Blood sample from the tissue donor was tested and found negative for HBsAg, HIV-1 and HIV-2 antibodies, HCV, and syphilis.  
FABP is a newly introduced plasma marker of acute myocardial infarction (AMI). The plasma kinetics of FABP (15 kD) 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.

**Applications:** FABP is suitable for use as a standard in immunoassay for early detection of acute myocardial infarction, immunogen for antisera production, mass FABP standard, FABP biochemical and immunochemical studies, tracer for iodination.

**Analysis:** Purity > 95 % (10 – 20 % gradient SDS-PAGE).  
Immunological identity confirmed by reaction with monoclonal antibody that is specific for the fatty acid binding protein.

**Presentation:** Lyophilized from protein solution in 10 mM Tris-HCl, pH 8.0.  
It is recommended to reconstitute this product with deionized water to its initial concentration.

**Storage:** Lyophilized and reconstituted at -20 °C (-15 ... -30 °C allowed)

**Material safety note:** This product is sold **for research use only**. Standard Laboratory Practices should be followed when handling this material.

**HyTest Ltd.**

Intelligate 1, 6th floor, Joukahaisenkatu 6  
FI-20520 Turku FINLAND  
[www.hytest.fi](http://www.hytest.fi) | [hytest@hytest.fi](mailto:hytest@hytest.fi)