

FABP HEART MONOCLONAL ANTIBODIES

Abbreviation	HFABP, FABP3
Specificity	Cardiac FABP – does not cross react with other FABP proteins
Accession Number	P05413
Host Species	Sheep and Mouse

STAR PAIR

We recommend BM442-V3H7 as the capture antibody in Sandwich ELISA pairing with BM442-G2E6 as the detection antibody.

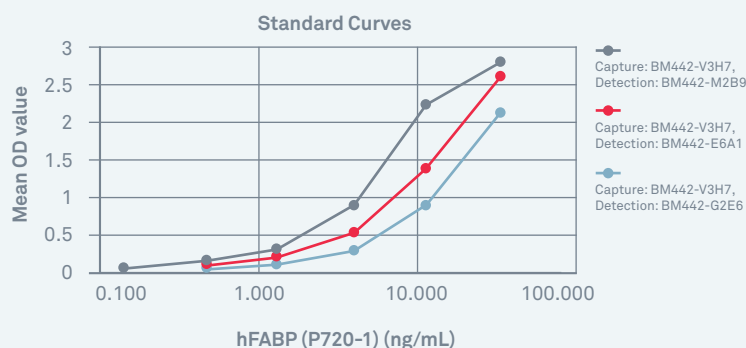
Application	Sandwich ELISA / ELISA Assays, Western Blot. Also, has the potential for use in Lateral Flow assays.
Target Marker	Heart-type fatty acid-binding protein (H-FABP) is a small cytoplasmic protein (15 kDa) released from cardiac myocytes following an ischemic episode¹. Like the nine other distinct FABPs that have been identified, H-FABP is involved in active fatty acid metabolism where it transports fatty acids from the cell membrane to mitochondria for oxidation. The intracellular fatty acid-binding proteins (FABPs) belong to a multigene family. FABPs are divided into at least three distinct types, namely the hepatic-, intestinal- and cardiac-type. They form 14-15 kDa proteins and are thought to participate in the uptake, intracellular metabolism and/or transport of long-chain fatty acids. They may also be responsible in the modulation of cell growth and proliferation.
References	¹ Kleine AH, Glatz JF, Van Nieuwenhoven FA, Van der Vusse GJ (Oct 1992). "Release of heart fatty acid-binding protein into plasma after acute myocardial infarction in man". Molecular and Cellular Biochemistry. 116 (1-2): 155–62.

Characterisation

Sandwich ELISA

The antibody pairs have the potential to detect clinically relevant levels of FABP.

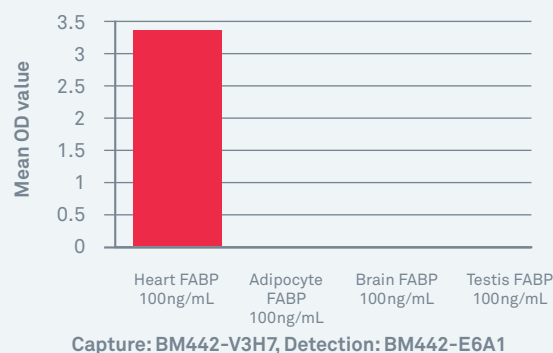
Example standard curves generated using cardiac FABP Mouse Monoclonal Antibodies and Recombinant FABP (P720-1).



Cross Reactivity

The antibody pair is specific for FABP heart and does not detect closely related FABP family members:

Cross reactivity with FABP family proteins



Pack sizes

200ug for sheep monoclonal, 1mg for mouse monoclonal, bulk amounts available on request.

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WHY BBI?

- + The antibodies have been tested in Sandwich ELISA
- + No cross-reactivity with closely related FABP molecules
- + Tested on serum samples
- + Can detect clinically relevant levels of FABP heart - less than 0.5ng/ml

Ordering Details

USE THE FOLLOWING CODES WHEN ORDERING

Product	Code	Description
FABP Heart Sheep Monoclonal Antibody	BM442-D6D1	Recommended for use in Sandwich ELISA / ELISA as a detection antibody with BM442-D2C9 as the capture antibody.
FABP Heart Sheep Monoclonal Antibody	BM442-D2C9	Recommended for use in Sandwich ELISA / ELISA as a capture antibody with BM442-D6D1 as the detection antibody.
FABP Heart Mouse Monoclonal Antibody	BM442-V3H7	Recommended as the capture antibody in Sandwich ELISA pairing with BM442-G2E6 as the detection antibody.
FABP Heart Mouse Monoclonal Antibody	BM442-G2E6	Recommended as the detection antibody in Sandwich ELISA with BM442-V3H7 as the capture antibody.
FABP Heart Mouse Monoclonal Antibody	BM442-E6A1	Recommended as the detection antibody in Sandwich ELISA pairing with BM442-V3H7 as the capture antibody. Also, suitable for Western Blot.
FABP Heart Mouse Monoclonal Antibody	BM442-M2B9	Recommended as the detection antibody in Sandwich ELISA pairing with BM442-V3H7 as the capture antibody.

Related Products

Product	Code	Description
Recombinant Human FABP3	P720-1-proto	≥ 95% purity. Expressed in <i>Pichia pastoris</i> .

Order a sample today sales@bbisolutions.com
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