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Product datasheet for AM09048PU-N

FABP4 Mouse Monoclonal Antibody [Clone ID: 3F4]

Product data:

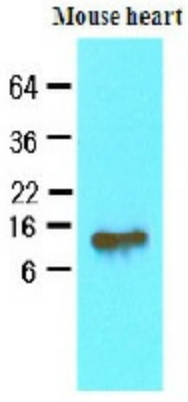
Product Type:	Primary Antibodies
Clone Name:	3F4
Applications:	ELISA, WB
Recommended Dilution:	ELISA. Western blot (1:500 - 2,000).
Reactivity:	Human, Mouse
Host:	Mouse
Isotype:	IgG1
Clonality:	Monoclonal
Immunogen:	Recombinant human FABP4 (1-132 aa) purified from E. coli
Specificity:	The antibody recognizes human and mouse FABP4. Other species not tested.
Formulation:	PBS, pH 7.4 containing 0.02% Sodium Azide and 10% Glycerol State: Purified State: Liquid purified Ig fraction
Concentration:	lot specific
Purification:	Protein-G affinity chromatography
Conjugation:	Unconjugated
Storage:	Store undiluted at 2-8°C for up to two weeks or (in aliquots) at -20°C for longer. Avoid repeated freezing and thawing.
Stability:	Shelf life: one year from despatch.
Gene Name:	fatty acid binding protein 4
Database Link:	Entrez Gene 2167 Human P15090

View online »

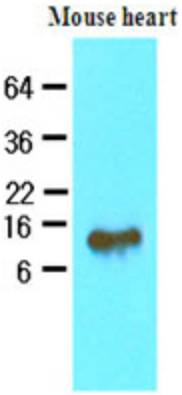
Background: FABP4 (Fatty acid binding protein 4) is expressed in adipocytes and macrophages, and integrates inflammatory and metabolic responses. FABP4 is thought to regulate fatty acid uptake, release, and storage in adipocytes and participates in systemic glucose homeostasis and in macrophage responses in atherosclerosis. Blocking this protein either through genetic engineering or drugs has the possibility of treating heart disease, diabetes, asthma, obesity, and fatty liver disease.

Synonyms: A-FABP, Adipocyte lipid-binding protein, Fatty acid-binding protein 4

Product images:



The extracts of mouse heart (40ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human FABP4 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.



Western blot analysis: The extracts of mouse heart (40 ug) were resolved by SDS-PAGE, transferred to NC membrane and probed with anti-human FABP4 (1:500). Proteins were visualized using a goat anti-mouse secondary antibody conjugated to HRP and an ECL detection system.