

FABP3

Mouse Anti-Human H-FABP (Clone 66E2) mAb

Catalog No. MON2019 **Quantity:** 1 ml

Alternate Names: Fatty acid-binding protein, heart, Fatty acid-binding protein 3, Heart-type fatty acid-binding protein, H-FABP, Mammary-derived growth inhibitor, MDGI, Muscle fatty acid-binding protein, M-FABP

Description: MON2019 recognizes human heart-type fatty acid-binding protein (H-FABP) of both natural and recombinant origin. The H-FABP protein is derived from the human FABP3 gene. FABPs are small intracellular proteins (~13-14 kDa) with a high degree of tissue specificity that bind long chain fatty acids. They are abundantly present in various cell types and play an important role in the intracellular utilization of fatty acids, transport and metabolism. There are at least nine distinct types of FABP, each showing a specific pattern of tissue expression. Due to its small size, FABP leaks rapidly out of ischemically damaged necrotic cells leading to a rise in serum levels. Ischemically damaged tissues are characterized histologically by absence (or low presence) of FABP facilitating recognition of such areas. H-FABP is localized in the heart, skeletal and smooth muscle, mammary epithelial cells, aorta, distal tubules of the kidney, lung, brain, placenta, and ovary. It is also useful as marker for brain damage. Furthermore, this antibody is useful for the purification of H-FABP.

Concentration: 0.1 mg/ml

UniProt ID: P05413

Specificity: Binds to human heart Fatty Acid Binding protein. It shows no binding to human intestinal or liver FABP.

Immunogen: Purified human H-FABP

Isotype: Mouse IgG1

Clone: 66E2

Formulation: Purified antibody in PBS, containing 0.02% sodium azide and 0.1% BSA.
Precaution: Sodium azide is a poisonous and hazardous substance which should be handled by trained staff only.

Cross-Reactivity: Rat and mouse H-FABP.

Applications: WB, IHC-F, IP

Application Notes: The antibody stains heart muscle cells and striated skeletal muscle cells in immunohistochemistry. The antibody can be used to detect ischemia areas of human heart.

Storage & Stability: Store undiluted antibody at 2-8°C until expiration date

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