

## 32-6083: Mouse Anti Human Fatty Acid Binding Protein 4(Clone:P3F4AT.)

<b>Clonality :</b>	Monoclonal
<b>Clone Name :</b>	P3F4AT.
<b>Application :</b>	ELISA,WB
<b>Gene :</b>	FABP4
<b>Gene ID :</b>	2167
<b>Uniprot ID :</b>	P15090
<b>Format :</b>	Purified
<b>Alternative Name :</b>	Fatty acid-binding protein adipocyte,AFABP,Fatty acid-binding protein 4,Adipocyte lipid-binding protein,ALBP,A-FABP,FABP4.
<b>Isotype :</b>	Mouse IgG1 heavy chain and ? light chain.
<b>Immunogen Information :</b>	Anti-human FABP4 mAb is derived from hybridization of mouse F0 myeloma cells with spleen cells from BALB/c mice immunized with recombinant human FABP4 amino acids 1-132 purified from E. coli.

### Description

Adipocyte fatty acid binding protein FABP4 is a 15 kDa member of the intracellular fatty acid binding protein (FABP) family, which is known for the ability to bind fatty acids and related compounds (bile acids or retinoids) in an internal cavity. FABP4 is expressed in a differentiation-dependent fashion in adipocytes and is a critical gene in the regulation of the biological function of these cells. In mice, targeted mutations in FABP4 provide significant protection from hyperinsulinemia and insulin resistance in the context of both dietary and genetic obesity. Adipocytes obtained from FABP4-deficient mice also have reduced efficiency of lipolysis in vitro and in vivo, and these mice exhibited moderately improved systemic dyslipidemia. Recent studies also demonstrated FABP4 expression in macrophages upon differentiation and activation. In these cells, FABP4 modulates inflammatory responses and cholesterol ester accumulation, and total or macrophage-specific FABP4 deficiency confers dram

### Product Info

<b>Amount :</b>	20 µg
<b>Purification :</b>	FABP4 antibody was purified from mouse ascitic fluids by protein-G affinity chromatography.
<b>Content :</b>	1mg/ml containing PBS, pH-7.4, & 0.1% Sodium Azide.
<b>Storage condition :</b>	For periods up to 1 month store at 4°C, for longer periods of time, store at -20°C. Prevent freeze thaw cycles.

### Application Note

FABP4 antibody has been tested by ELISA and Western blot analysis to assure specificity and reactivity. Since application varies, however, each investigation should be titrated by the reagent to obtain optimal results. Recommended dilution range for Western blot analysis is 1:500 ~ 1,000. Recommended starting dilution is 1:500.