

## Product datasheet for **CF814070**

### **FABP3 Mouse Monoclonal Antibody [Clone ID: OTI2F5]**

#### **Product data:**

<b>Product Type:</b>	Primary Antibodies
<b>Clone Name:</b>	OTI2F5
<b>Applications:</b>	ELISA
<b>Recommended Dilution:</b>	ELISA 1:5000-10000
<b>Reactivity:</b>	Human
<b>Host:</b>	Mouse
<b>Isotype:</b>	IgG1
<b>Clonality:</b>	Monoclonal
<b>Immunogen:</b>	Full length human recombinant protein of human FABP3 (NP_004093) produced in EXPI-293F cell.
<b>Formulation:</b>	Lyophilized powder (original buffer 1X PBS, pH 7.3, 8% trehalose)
<b>Reconstitution Method:</b>	For reconstitution, we recommend adding 100uL distilled water to a final antibody concentration of about 1 mg/mL. To use this carrier-free antibody for conjugation experiment, we strongly recommend performing another round of desalting process. (OriGene recommends Zeba Spin Desalting Columns, 7KMWCO from Thermo Scientific)
<b>Purification:</b>	Purified from mouse ascites fluids or tissue culture supernatant by affinity chromatography (protein A/G)
<b>Conjugation:</b>	Unconjugated
<b>Predicted Protein Size:</b>	14.9 kDa
<b>Gene Name:</b>	fatty acid binding protein 3
<b>Database Link:</b>	<a href="#">NP_004093</a> <a href="#">Entrez Gene 2170 Human P05413</a>



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<b>Background:</b>	The intracellular fatty acid-binding proteins (FABPs) belongs 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. Fatty acid-binding protein 3 gene contains four exons and its function is to arrest growth of mammary epithelial cells. This gene is a candidate tumor suppressor gene for human breast cancer. Alternative splicing results in multiple transcript variants. [provided by RefSeq, Mar 2016]
<b>Synonyms:</b>	FABP11; H-FABP; M-FABP; MDGI; O-FABP
<b>Protein Pathways:</b>	PPAR signaling pathway