

# Rabbit anti-human Fatty acid binding protein 3 (FABP3) monoclonal antibody clone 3B10

Catalog Number: R15007MB10



## General Information

<b>Immunogen</b>	Full length native human FABP3 protein
<b>IgG type</b>	Rabbit IgG
<b>Clonality</b>	monoclonal
<b>Applications</b>	TIA, ELISA
<b>Pairing antibody</b>	R15007MG11
<b>Specificity</b>	Human FABP3
<b>Formulation</b>	0.22 µM filtered solution of PBS, pH 7.4
<b>Purity</b>	> 95% determined by SDS-PAGE
<b>Storage</b>	≤ -20 °C for 1 year or 4 °C for 3 months

### Abbreviations:

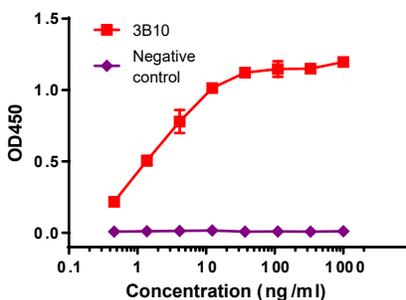
ELISA: Enzyme-linked immunosorbent assay; ITA: immunoturbidimetric assay; IP: immunoprecipitation; IHC: immuno-histochemistry; IF: immunofluorescence. WB: western blot;

## Preparation

Monoclonal antibody is produced by immunizing rabbit with full length native human FABP3 and purified using protein A resin.

## Application

### ELISA



### ELISA conditions

- 1) Antigen: human FABP3 protein at 1.0 µg/ml
- 2) detection antibody: rabbit anti-CKMB monoclonal antibody (clone 3B10, R15007MB10) at initial 1.0 µg/ml followed by 1:3 serial dilutions.

## Storage

This antibody is shipped at 4 °C. This product is stable for 12 months from date of receipt when stored at -20 °C to -70 °C. Avoid freeze/thaw cycles.

## Hazard/Biohazard

This antibody contains 0.09% sodium azide as preservative. Please handle and dispose the product properly. No known biohazard is associated with this product.

## Background

Fatty Acid Binding Protein 3 (FABP3) is a 15 KD cytoplasmic protein predominantly expressed in heart, skeletal muscle, brain, and mammary gland. FABP3 transports fatty acids to mitochondria for further oxidation and modulates cell growth and proliferation.

FABP3 is quickly released from cardiac myocytes following myocardial ischemia and infarction, detectable in the serum within one to three hours of chest pain. As a result, FABP3 is a sensitive biomarker for myocardial infarction. Recently, FABP3 was found as a candidate tumor suppressor for human breast cancer by arresting cell growth.

## Research Use or Further Manufacturing Only