Mouse Anti-Human Creatine Kinase MB Monoclonal Antibody [CEJ048]

CABT-WN1024  Mouse(CK-MB)
Lot. No. (See product label)

PRODUCT INFORMATION

Product Overview
Mouse Monoclonal Antibody to Human Creatine Kinase MB molecule

Antigen Description
Creatine Kinase MB consists of a dimer of nonidentical chains. With MM being the major form in skeletal muscle and myocardium, MB existing in myocardium, and BB existing in many tissues, especially brain. Creatine Kinase MB reversibly catalyses the transfer of phosphate between ATP and various phosphogens. The creatine kinase isoenzymes play a central role in energy transduction in tissues with large fluctuating energy demands such as skeletal muscle, heart, brain and spermatozoa.

Specificity
Human CK-MB

Target
CK-MB

Immunogen
Purified Human CKMB

Host
Mouse

Isotype
IgG1, kappa

Source
Cell Culture

Species
Human

Clone
CEJ048

Affinity Constant
7.6 x 10^-9M

Purification
Protein G Chromatography

Conjugation
N/A

Applications
EIA,Pr*

PACKAGING

Format
Purified, Liquid

Concentration
4.99 mg/mL (OD280nm, E0.1% = 1.4)

Buffer
PBS, pH 7.3

Storage
Short-term (up to 14 days) store at 2-8 °C. Long term store at -20 °C. Avoid multiple freeze/thaw cycles

Preservative
0.05% Sodium Azide

Warning
This product contains sodium azide, which has been classified as Xn (Harmful), in European Directive 67/548/EEC in the concentration range of 0.1–1.0%. When disposing of this reagent through lead or copper plumbing, flush with copious volumes of water to prevent azide build-up in drains.

BACKGROUND

Introduction
Creatine kinase (CK), also known as creatine phosphokinase (CPK) or phospho-creatine kinase (and sometimes incorrectly as creatinine kinase), is an enzyme expressed by various tissues and cell types. CK catalyses the conversion of creatine and consumes adenosine triphosphate (ATP) to create phosphocreatine (PCr) and adenosine diphosphate (ADP). This CK enzyme reaction is reversible and thus ATP can be generated from PCr and ADP.
**Keywords**

B-CK; brain creatine kinase; CKBB antibody; CK-MB; CKMM; creatine kinase B; creatine kinase brain; creatine kinase M; Creatine kinase; Creatine Kinase MB type; creatine kinase muscle; M-CK; muscle creatine kinase; Creatine Kinase MB