

For Research Use Only

# Creatine kinase B type-Specific Monoclonal antibody



Catalog Number:60175-1-Ig

## Basic Information

Catalog Number:

60175-1-Ig

Size:

150ul

Source:

Mouse

Isotype:

IgM

GenBank Accession Number:

BC001190

GeneID (NCBI):

1152

UNIPROT ID:

P12277

Full Name:

creatine kinase, brain

Calculated MW:

43 kDa

Purification Method:

Caprylic Acid/Ammonium Sulfate  
Precipitation

CloneNo.:

3A6H9

## Applications

Tested Applications:

ELISA

Species Specificity:

human

## Background Information

CKBB, also named as B-CK and CKB, is a member of the ATP:guanido phosphotransferase protein family. It is a cytoplasmic enzyme involved in energy homeostasis. CKBB reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in brain as well as in other tissues, and as a heterodimer with a similar muscle isozyme in heart. CK isoenzymes play a central role in energy transduction in tissues with large, fluctuating energy demands, such as skeletal muscle, heart, brain and spermatozoa. CK 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.

## Storage

Storage:

Store at -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

\*\*\* 20ul sizes contain 0.1% BSA

For technical support and original validation data for this product please contact:

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in USA), or 1(312) 455-8498 (outside USA)

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## Selected Validation Data