Product datasheet

Anti-Creatine Kinase MB antibody [CK1] ab404

2 References

Overview

Product name
Anti-Creatine Kinase MB antibody [CK1]

Description
Mouse monoclonal [CK1] to Creatine Kinase MB

Host species
Mouse

Specificity
CK1 recognises human creatine kinase MB isoenzyme. Its affinity for the creatine kinase BB isoenzyme is greater than its affinity for creatine kinase MB isoenzyme. hCK-MB - 100% hCK-BB - 182% hCK-MM - 7.3% Affinity constant: 2x10^9 l/mol human CK-MB.

Tested applications
Suitable for: ELISA, RIA

Species reactivity
Reacts with: Human

Immunogen
Full length native protein (purified) (Human).

Properties

Form
Liquid

Storage instructions
Shipped at 4°C. Store at +4°C short term (1-2 weeks). Store at -20°C or -80°C. Avoid freeze / thaw cycle.

Storage buffer
pH: 6.00
Preservative: 0.095% Sodium azide
Constituents: 0.335% PBS, 1.0878% Sodium citrate, 0.9% Sodium chloride

Purity
Protein A purified

Clonality
Monoclonal

Clone number
CK1

Myeloma
unknown

Isotype
IgG1

Light chain type
unknown

Applications

Our Abpromise guarantee covers the use of ab404 in the following tested applications.
The application notes include recommended starting dilutions; optimal dilutions/concentrations should be determined by the end user.
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.

**Target**

**Relevance**

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.

**Cellular localization**

Cytoplasmic and Mitochondrial

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**Application** | **Abreviews** | **Notes**
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ELISA | | Use at an assay dependent concentration.
RIA | | Use at an assay dependent concentration.

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