

DESCRIPTION

Species Reactivity	Human
Specificity	Detects human Creatine Kinase, Muscle/CKMM in direct ELISAs and Western blots.
Source	Monoclonal Mouse IgG ₁ Clone # 492731
Purification	Protein A or G purified from hybridoma culture supernatant
Immunogen	Human cardiac muscle-derived Creatine Kinase, Muscle/CKMM
Conjugate	Alexa Fluor 700 Excitation Wavelength: 675-700 nm Emission Wavelength: 723 nm
Formulation	Supplied 0.2mg/ml in 1X PBS with RDF1 and 0.09% Sodium Azide *Contains <0.1% Sodium Azide, which is not hazardous at this concentration according to GHS classifications. Refer to the Safety Data Sheet (SDS) for additional information and handling instructions.

APPLICATIONS

Please Note: Optimal dilutions should be determined by each laboratory for each application. [General Protocols](#) are available in the Technical Information section on our website.

Western Blot Optimal dilution of this antibody should be experimentally determined.

PREPARATION AND STORAGE

Shipping The product is shipped with polar packs. Upon receipt, store it immediately at the temperature recommended below.

Stability & Storage Protect from light. Do not freeze. 12 months from date of receipt, 2 to 8 °C as supplied

BACKGROUND

Creatine kinase (CK) is a 40 kDa cytoplasmic enzyme that is integral to energy metabolism in striated muscle through the maintenance of ATP levels. It is a dimeric protein composed of tissue specific M (muscle) and B (brain) subunits. The homodimeric CKMM isozyme is predominantly expressed in differentiated skeletal and cardiac muscle fibers. The M subunit of human creatine kinase shares 97% aa sequence identity with the mouse and rat M subunit and 81% with the human B subunit.

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