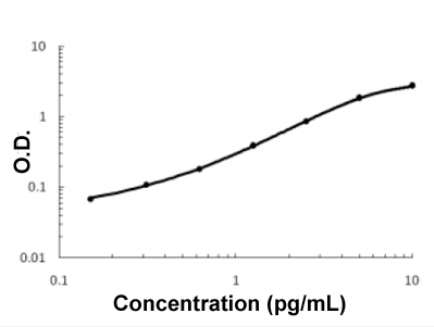
CKM (Human) ELISA Kit

Catalog # KA5537 Size 1 Kit

Applications



The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.

Specification

Product Description	CKM (Human) ELISA Kit is a sandwich enzyme-linked immunosorbent assay for the quantitative measurement of human CKM.
Suitable Sample	Cell Culture Supernates, Plasma (Citrate, EDTA, Heparin) and Serum
Sample Volume	100 uL
Label	HRP-conjugated
Detection Method	Colorimetric
Assay Type	Quantitative
Calibration Range	0.15 to 10 mU/mL
Reactivity	Human
Regulatory Status	For research use only (RUO)
Quality Control Testing	Standard curve The standard curve is for the purpose of illustration only and should not be used to calculate unknowns. A standard curve should be generated each time the assay is performed.
Storage Instruction	Store at 4°C for 6 months, at -20°C for 12 months. Avoid multiple freeze-thaw cycles.

Applications

- Quantification

Gene Info — CKM

Entrez GeneID	1158
Protein Accession#	P06732
Gene Name	CKM
Gene Alias	CKMM, M-CK
Gene Description	creatine kinase, muscle
Omim ID	123310
Gene Ontology	Hyperlink
Gene Summary	The protein encoded by this gene is a cytoplasmic enzyme involved in energy homeostasis and is an important serum marker for myocardial infarction. The encoded protein reversibly catalyzes the transfer of phosphate between ATP and various phosphogens such as creatine phosphate. It acts as a homodimer in striated muscle as well as in other tissues, and as a heterodimer with a similar brain isozyme in heart. The encoded protein is a member of the ATP:guanido phosphotransferase protein family. [provided by RefSeq
Other Designations	creatine kinase M chain|creatine kinase-M|muscle creatine kinase

Pathway

- Arginine and proline metabolism
- Metabolic pathways

Disease

- Body Weight
- Cardiovascular Diseases
- Cleft Lip

- Cleft Palate
- Coronary Artery Disease
- Diabetes Mellitus
- Edema
- Genetic Predisposition to Disease
- Task Performance and Analysis