# Creatine Phosphokinase-MB (CK-MB)

## Item Number: CK-MB

## Introduction

CK-MB for myocardial infarction diagnosis. Accurate cardiac marker assays, now available. High specificity, *in vitro* production. Detects myocardial ischemia & myocarditis effectively. Inquire today!

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| Feature | Description |
|---|---|
| Product Name | Anti-h CK-MB |
| Description | Monoclonal mouse antibody, cultured *in vitro* under conditions free from animal-derived components. |
| Application | FIA, Diagnosis of acute myocardial infarction, myocardial ischemia, or myocarditis |
| Form/Appearance | Liquid, may turn slightly opaque during storage |
| Concentration | 5.0 mg/ml (+/- 10 %) |
| Isotype | IgG1 |
| Clonality | Monoclonal |
| Epitope | N/D |
| Purity | ≥ 95 % |
| Affinity Constant | KA= 2 x $10^9$ 1/M |
| Buffer | 37 mM citrate, 125 mM phosphate, pH 6.0, 0.9 % NaCl, 0.095 % NaN3 as a preservative |
| IEF Profile | 6.7–8.0 |
| Cross Reactivity | CK-BB isoenzyme 182 %, CK-MM isoenzyme 7.3 % |
| Specificity | Antibody recognizes human creatine kinase MB isoenzyme |

| Condition | Description |
|---|---|
| Storage | +2-8°C |
| Shipping | Cold packs |
| Shelf Life | 24 months |

| Indicator | Specification |
|---|---|
| Package Appearance | Product outer packaging box and aluminum foil packaging bag should be complete and undamaged. |
| Test Strip Width | Should not exceed the nominal value ±0.20mm. (Nominal value: 4.00mm) |
| Migration Speed | Liquid migration speed should be no less than 8.0 mm/min. |
| Minimum Detection Limit (CK-MB) | ≤2.5 ng/ml |
| Linear Range (CK-MB) | 5.0 ng/ml□80.0 ng/ml, linear correlation coefficient r≥0.990 |
| Accuracy | When testing BIORAD myocardial marker quality control products, the relative deviation between the mean of the test values and the target value should be no greater than 20%. |
| Repeatability | Should be no greater than 10%. |
| Batch-to-Batch Precision (Inter-batch difference) | Should be no greater than 15%. |
| Stability | When stored at 4-30°C in a sealed aluminum foil bag, and tested within 1 month of the expiration date, the test results should meet the requirements for Test Strip Width, Migration Speed, Minimum Detection Limit, Linear Range, and Accuracy. |