



RayBiotech, Inc.

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Certificate of Analysis and Data Sheet

Mouse Anti-Human Creatine Kinase BB (brain-specific) With HRP-conjugated Secondary Antibody

Catalog No.
DS-MB-01068

Target Species
Human

Isotype
IgG1

Preparation

Synonyms: CKBB

Purified IgG prepared by affinity chromatography on Protein G

Immunogen: Human CKBB

Specificity

Creatine phosphokinase, also known as creatine kinase (CK), is an enzyme expressed by various tissues and cell types. CK catalyses the conversion of creatine and consumes adenosine triphosphate (ATP) to create phosphocreatine and adenosine diphosphate (ADP).

In cells, the "cytosolic" CK enzymes consist of two subunits, which can be either B (brain type) or M (muscle type). There are three different isoenzymes: CKMM, CKBB and CKMB.

DS-MB-01068 recognises the CKBB isoenzyme and does not react with the B subunit in CKMB. There is minimal reactivity with other human serum proteins.

Formulation

Product Type: Monoclonal Antibody

Product Form: Purified Ig - liquid

Buffer Solution: Phosphate buffered saline

Preservative Stabilizers: 0.09% Sodium Azide (NaN_3)

Approx. Protein Concentrations: IgG concentration 1.0 mg/ml

Applications

Options	YES	NO	Not determined	Recommended Work dilution or concentration
Functions				
Western Blotting			•	
Elisa	•			

Note: Other applications are not tested yet. Optimal dilutions should be determined.

**The products are furnished for LABORATORY RESEARCH USE ONLY.
Not for diagnostic or therapeutic use.**



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Secondary Antibody Applications

Options Functions	YES	NO	Not determined	Recommended Work dilution or concentration
Immunoassay (ELISA, Western blot)	•			1:5,000-1:10,000

Storage

Store at +4°C or at -20°C if preferred.

Storage in frost-free freezers is not recommended.

This product should be stored undiluted.

Avoid repeated freezing and thawing as this may denature the antibody.

Should this product contain a precipitate we recommend microcentrifugation before use.

Shelf Life: 18 months from date of dispatch.

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