

Anti-Human Creatine Kinase-MM [MAK33] Standard Size Ab00395-10.3

This antibody was created using our proprietary Fc Silent™ engineered Fc domain containing key point mutations that abrogate binding to Fc gamma receptors.

This chimeric human antibody was made using the variable domain sequences of the original Mouse IgG1 format, for improved compatibility with existing reagents, assays and techniques.

Isotype and Format: Human IgG1, Fc Silent™, Kappa

Clone Number: MAK33

Alternative Name(s) of Target: CK-MM

UniProt Accession Number of Target Protein: P06732

Published Application(s): ELISA

Published Species Reactivity: Human

Immunogen: Human creatine-kinase-MM in Al(OH)₃.

Specificity: The antibody binds specifically to the human creatine-kinase-MM subtype (and not the MB or BB subtype).

Application Notes: This antibody binds to human muscle creatine-kinase-MM, an enzyme that catalyzes the conversion of creatine and ATP to phosphocreatine and ADP, generating an ATP-buffer in the muscle. The antibody blocks CK-MM activity by 80%.

Antibody First Published in: Buckel et al. Cloning and nucleotide sequence of heavy- and light-chain cDNAs from a creatine-kinase specific monoclonal antibody Gene 1987; 51:13-19 [PMID:3110009](#)

Note on publication: Describes the generation of a monoclonal antibody directed against the human creatine kinase M-subunit.

Product Form

Size: 200 µg Purified antibody.

Purification: Protein A affinity purified

Supplied In: PBS with 0.02% Proclin 300.

Storage Recommendation: Store at 4°C for up to 3 months. For longer storage, aliquot and store at -

20°C.

Concentration: 1 mg/ml.

Important note – This product is for research use only. It is not intended for use in therapeutic or diagnostic procedures for humans or animals.