

Creatine Kinase MM Antibody

Mouse Monoclonal Antibody [Clone CKMM/3341]

Catalog No	Format	Size
1158-MSM1-P0	Purified Ab with BSA and Azide at 200ug/ml	20 ug
1158-MSM1-P1	Purified Ab with BSA and Azide at 200ug/ml	100 ug
1158-MSM1-P1ABX	Purified Ab WITHOUT BSA and Azide at 1.0mg/ml	100 ug

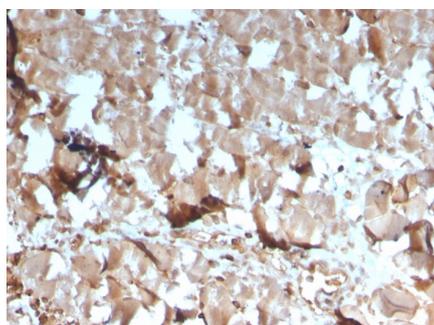
Applications	Tested Dillution	Note
Western Blot (WB)	2-4ug/ml	

Product Details

Clone	CKMM/3341
Gene Name	CKM
Immunogen	Recombinant full-length CKM protein
Host	Mouse
Clonality	Monoclonal
Isotype / Light Chain	IgG2a / Kappa
Mol. Weight of Antigen	43kDa
Cellular Localization	Cytoplasm
Species Reactivity	Human
Positive Control	Human heart tissue. Skeletal muscle lysate.

*Optimal dilution for a specific application should be determined.

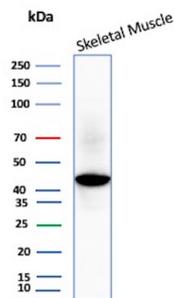
Product Images for Creatine Kinase MM Antibody



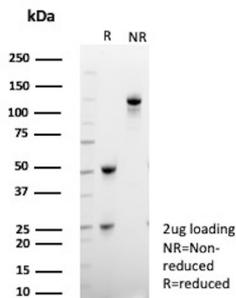
Formalin-fixed, paraffin-embedded human skeletal muscle stained with Creatine Kinase MM Mouse Monoclonal Antibody (CKMM/3341).



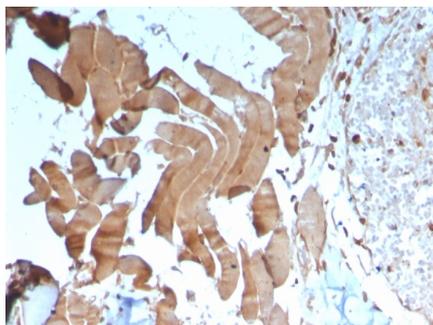
Analysis of Protein Array containing more than 19,000 full-length human proteins using Creatine Kinase MM Mouse Monoclonal Antibody (CKMM/3341) Z- and S- Score: The Z-score represents the strength of a signal that a monoclonal antibody (MAb) (in combination with a fluorescently-tagged anti-IgG secondary antibody) produces when binding to a particular protein on the HuProt™ array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If targets on HuProt™ are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-score. S-score therefore represents the relative target specificity of a MAb to its intended target. A MAb is considered to be specific to its intended target, if the MAb has an S-score of at least 2.5. For example, if a MAb binds to protein X with a Z-score of 43 and to protein Y with a Z-score of 14, then the S-score for the binding of that MAb to protein X is equal to 29.



Western blot analysis of human Skeletal muscle lysate using Creatine Kinase MM Mouse Monoclonal Antibody (CKMM/3341).



SDS-PAGE Analysis of Purified CKMM Mouse Monoclonal Antibody(CKMM/3341). Confirmation of Purity and Integrity of Antibody.



Formalin-fixed, paraffin-embedded human skeletal muscle stained with Creatine Kinase MM Mouse Monoclonal Antibody (CKMM/3341).

Specificity & Comments

T cell proliferation and lymphokine production are triggered by occupation of the TCR by antigen, followed by a costimulatory signal that is delivered by a ligand expressed on antigen presenting cells. The B7-related cell surface proteins CD80 (B7-1) and CD86 (B7-2) are expressed on antigen presenting cells bind the homologous T cell receptors CTLA-4 (cytotoxic T lymphocyte-associated protein-4) and CD28 and trigger costimulatory signals for optimal T cell activation. CTLA-4 shares 31% overall amino acid identity with CD28 and it has been proposed that CD28 and CTLA-4 are functionally redundant. SLAM is a novel receptor on T cells that, when engaged, potentiates T cell expansion in a CD28-independent manner. B7, also designated BB1, is another ligand or counter receptor for CD28 and CTLA-4 that is expressed on the antigen-presenting cell.

Limitations and Warranty

This antibody is available for research use only and is not approved for use in diagnosis. There are no warranties, expressed or implied, which extend beyond this description. Company is not liable for any personal injury or economic loss resulting from this product.

Supplied As

200ug/ml of Ab purified from Bioreactor Concentrate by Protein A/G. Prepared in 10mM PBS with 0.05% BSA & 0.05% azide. Also available WITHOUT BSA & azide at 1.0mg/ml.

Storage and Stability

Antibody with azide - store at 2 to 8°C. Antibody without azide - store at -20 to -80°C. Antibody is stable for 24 months. Non-hazardous. No MSDS required.

Research Areas

Cardiovascular