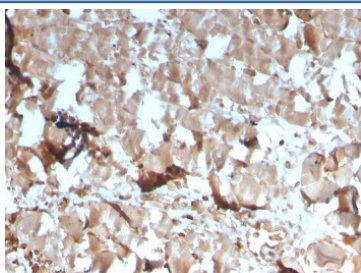


## Creatine Kinase M Antibody / CKM [clone CKMM/3341] (V8504)

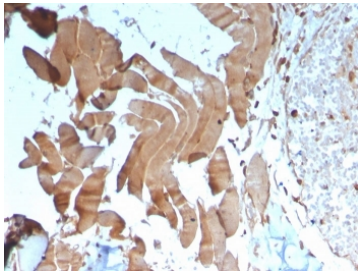
Catalog No.	Formulation	Size
V8504-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8504-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8504SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

**Bulk quote request**

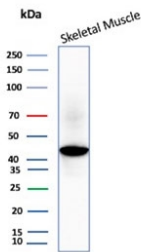
<b>Availability</b>	1-3 business days
<b>Species Reactivity</b>	Human
<b>Format</b>	Purified
<b>Clonality</b>	Monoclonal (mouse origin)
<b>Isotype</b>	Mouse IgG2a, kappa
<b>Clone Name</b>	CKMM/3341
<b>Purity</b>	Protein G affinity chromatography
<b>UniProt</b>	P06732
<b>Localization</b>	Cytoplasm
<b>Applications</b>	Western Blot : 2-4ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml
<b>Limitations</b>	This Creatine Kinase M antibody is available for research use only.



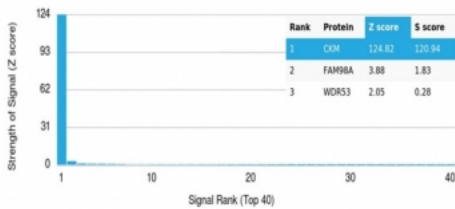
IHC staining of FFPE human skeletal muscle tissue with Creatine Kinase M antibody (clone CKMM/3341). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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Western blot testing of human skeletal muscle tissue lysate with Creatine Kinase M antibody. Predicted molecular weight ~43 kDa.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using Creatine Kinase M antibody (clone CKMM/3341). These results demonstrate the foremost specificity of the CKMM/3341 mAb. Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD#39;s) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD#39;s) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.

## Description

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.

## Application Notes

Optimal dilution of the Creatine Kinase M antibody should be determined by the researcher.

## Immunogen

Recombinant full-length CKM protein was used as the immunogen for the Creatine Kinase M antibody.

## Storage

Store the Creatine Kinase M antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

