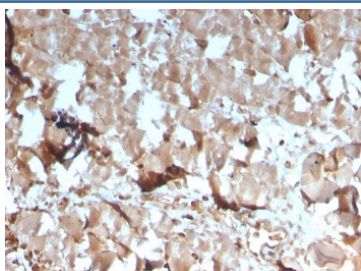


Creatine Kinase M Antibody / CKM [clone CKMM/3341] (V8504)

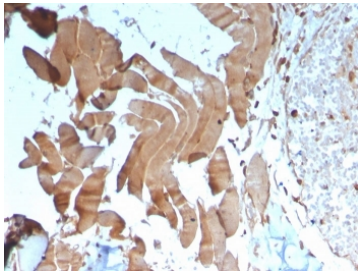
Catalog No.	Formulation	Size
V8504-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V8504-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V8504SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

[Bulk quote request](#)

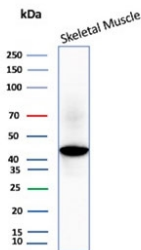
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	CKMM/3341
Purity	Protein G affinity chromatography
UniProt	P06732
Localization	Cytoplasm
Applications	Western Blot : 2-4ug/ml Immunohistochemistry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



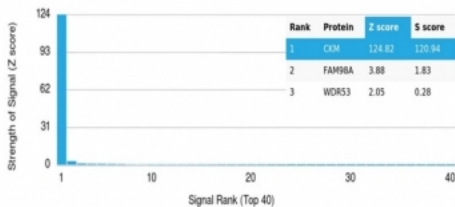
IHC staining of FFPE human skeletal muscle tissue with Creatine Kinase M antibody (clone CKMM/3341). HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 20 min and allow to cool before testing.



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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'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'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).

