

For Research Use Only

# HMGCL Recombinant antibody, PBS Only (Detector)

Catalog Number: 84769-1-PBS



## Basic Information

Catalog Number:

84769-1-PBS

Concentration:

1 mg/ml

Source:

Rabbit

Isotype:

IgG

Immunogen Catalog Number:

AG10426

GenBank Accession Number:

BC010570

GeneID (NCBI):

3155

UNIPROT ID:

P35914

Full Name:

3-hydroxymethyl-3-methylglutaryl-Coenzyme A lyase

Calculated MW:

325 aa, 34 kDa

Observed MW:

32 kDa

Purification Method:

Protein A purification

CloneNo.:

242224G10

## Applications

Tested Applications:

WB, Cytometric bead array, Indirect ELISA

Species Specificity:

human

## Background Information

HMGCL (3-hydroxy-3-methylglutaryl-CoA lyase) is a key enzyme in ketogenesis (ketone body formation). It is a ketogenic enzyme in the liver that catalyzes the formation of acetoacetate from HMG-CoA within the mitochondria. It also plays a prominent role in the catabolism of the amino acid leucine.

## Storage

Storage:

Store at -80°C.

The product is shipped with ice packs. Upon receipt, store it immediately at -80°C

Storage Buffer:

PBS Only

For technical support and original validation data for this product please contact:

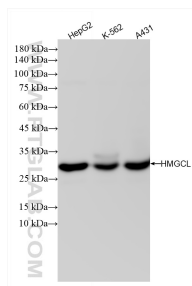
T: 4006900926

E: Proteintech-CN@ptglab.com

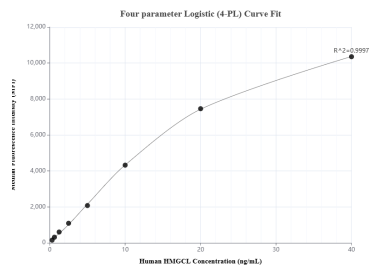
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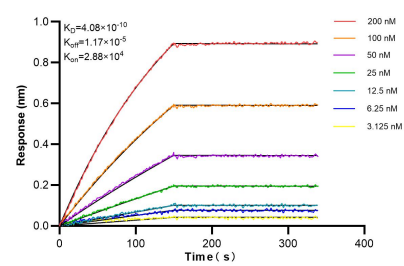
## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84769-1-RR (HMGCL antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84769-1-PBS in a different storage buffer formulation.



Cytometric bead array standard curve of MP01555-2, HMGCL Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84769-2-PBS. Detection antibody: 84769-1-PBS. Standard: Ag10426. Range: 0.313-40 ng/mL.



Biolayer interferometry (BLI) kinetic assays of 84769-1-RR against Human HMGCL were performed. The affinity constant is 0.408 nM.