For Research Use Only

ACMSD Recombinant antibody, PBS Only

Catalog Number:84100-3-PBS

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Basic Information

Catalog Number:
84100-3-PBS

Concentration:
1 mg/ml

Source:
Rabbit

Isotype:
IgG

Immunogen Catalog Number:
AG25212

GenBank Accession Number:
BC016018

GeneID (NCBI):
130013

UNIPROT ID:
Q8TDX5

Full Name:
aminocarboxymuconate semialdehyde decarboxylase

Calculated MW:
38 kDa

Observed MW:
38 kDa

Purification Method:
Protein A purfication

CloneNo.:
241077D5

Applications

Tested Applications:
WB, FC (Intra), Indirect ELISA

Species Specificity:
human

Background Information

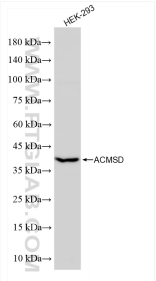
ACMSD (alpha-amino-beta-carboxy-muconate-semialdehyde decarboxylase) is the key enzyme that regulates the de novo NAD+ synthesis from tryptophan. ACMSD is highly expressed in the liver, kidney and to a lower degree in brain under physiological conditions. The enzyme is primarily cytosolic and is positioned at a critical branching point in the kynurenine pathway, wherein it influences the fate of the precursor 2-amino-3-carboxymuconic-6-semialdehyde (ACMS).

Storage

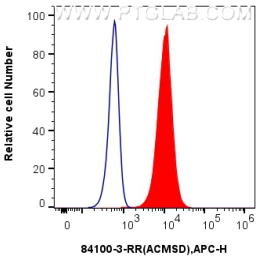
Storage:
Store at -80°C.
The product is shipped with ice packs. Upon receipt, store it immediately at -80°C
Storage Buffer:
PBS Only

For technical support and original validation data for this product please contact:
T: 4006900926 E: Proteintech-CN@ptglab.com W: ptgcn.com

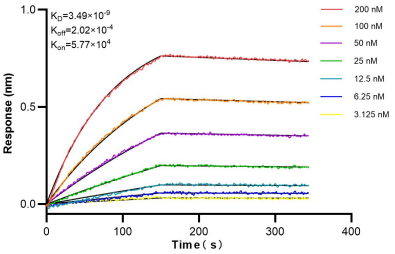
Selected Validation Data



HEK-293 cells were subjected to SDS PAGE followed by western blot with 84100-3-RR (ACMSD antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84100-3-PBS in a different storage buffer formulation.



1x10^6 HepG2 cells were intracellularly stained with 0.25 ug ACMSD Recombinant antibody (84100-3-RR, Clone:241077D5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84100-3-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 84100-3-RR against Human ACMSD were performed. The affinity constant is 3.49 nM.