

For Research Use Only

ACMSD Recombinant antibody

Catalog Number: 84100-3-RR



Basic Information

Catalog Number:

84100-3-RR

Concentration:

1000 µg/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 purification

CloneNo.:

241077D5

Recommended Dilutions:

WB 1:1000-1:4000

Applications

Tested Applications:

WB, FC (Intra), ELISA

Species Specificity:

human

Positive Controls:

WB : HEK-293 cells,

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 -20°C. Stable for one year after shipment.

Storage Buffer:

PBS with 0.02% sodium azide and 50% glycerol pH 7.3.

Aliquoting is unnecessary for -20°C storage

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

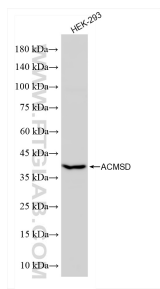
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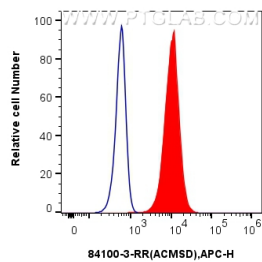
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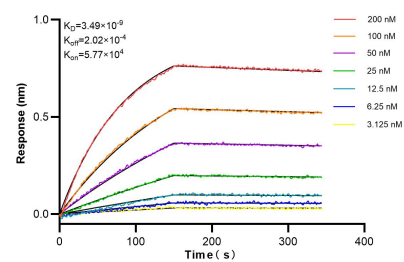
Selected Validation Data



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.



1x10⁶ 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).



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