

For Research Use Only

ACMSD Recombinant antibody, PBS Only

Catalog Number: 84100-3-PBS



Basic Information

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|---|--|---|
| Catalog Number: 84100-3-PBS | GenBank Accession Number: BC016018 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 130013 | CloneNo.: 241077D5 |
| Source: Rabbit | UNIPROT ID: Q8TDX5 | |
| Isotype: IgG | Full Name: aminocarboxymuconate semialdehyde decarboxylase | |
| Immunogen Catalog Number: AG25212 | Calculated MW: 38 kDa | |
| | Observed MW: 38 kDa | |

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

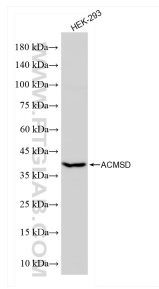
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

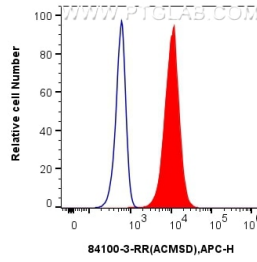
For technical support and original validation data for this product please contact:
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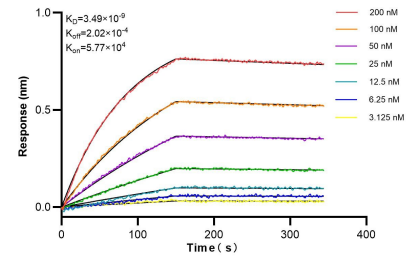
Selected Validation Data



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. This data was developed using the same antibody clone with 84100-3-PBS in a different storage buffer formulation.



1×10^6 HepG2 cells were intracellularly stained with 0.25 μ g ACMSD Recombinant antibody (84100-3-RR, Clone:241077D5) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 μ g 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.



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