

For Research Use Only

ACMSD Recombinant antibody

Catalog Number: 84100-3-RR



Basic Information

Catalog Number: 84100-3-RR	GenBank Accession Number: BC016018	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 130013	CloneNo.: 241077D5
Source: Rabbit	UNIPROT ID: Q8TDX5	Recommended Dilutions: WB 1:1000-1:4000
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), ELISA	Positive Controls: WB : HEK-293 cells,
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 -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

*** 20ul sizes contain 0.1% BSA

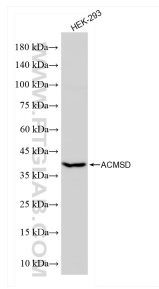
For technical support and original validation data for this product please contact:

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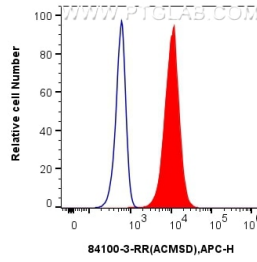
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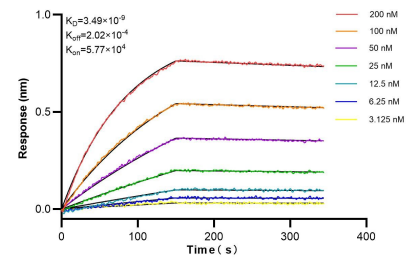
Selected Validation Data



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.



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).



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