

For Research Use Only

Methylmalonyl Coenzyme A mutase/MUT Recombinant antibody, PBS Only

Catalog Number: 84879-5-PBS



Basic Information

| | | |
|---|--|---|
| Catalog Number: 84879-5-PBS | GenBank Accession Number: BC016282 | Purification Method: Protein A purification |
| Size: 100ug , Concentration: 1 mg/ml by Nanodrop; | GeneID (NCBI): 4594 | CloneNo.: 242198F11 |
| Source: Rabbit | UNIPROT ID: P22033 | |
| Isotype: IgG | Full Name: methylmalonyl Coenzyme A mutase | |
| Immunogen Catalog Number: AG10523 | Calculated MW: 750 aa, 83 kDa | |
| | Observed MW: 78 kDa | |

Applications

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

Species Specificity:
human, mouse, rat

Background Information

Methylmalonyl Coenzyme A mutase (MUT) is an enzyme that plays a crucial role in the metabolism of certain amino acids and fatty acids. Mutations in the MUT gene can lead to methylmalonic acidemia, a metabolic disorder characterized by the accumulation of toxic compounds such as methylmalonyl-CoA and propionyl-CoA. This condition can cause severe health issues including developmental delays, metabolic acidosis, and neurological problems. MUT is essential for maintaining normal metabolic processes and its dysfunction can have significant health implications, highlighting its importance in both basic metabolism and clinical medicine.

Storage

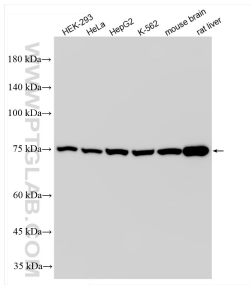
Storage:
Store at -80°C.

Storage Buffer:
PBS Only

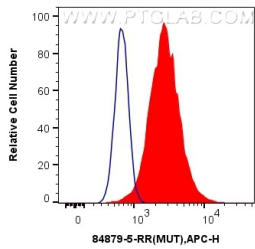
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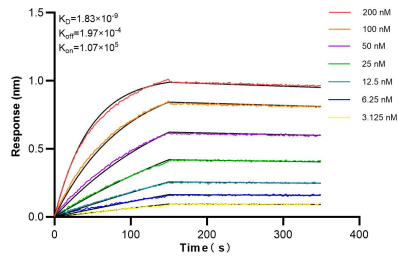
Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 84879-5-RR (Methylmalonyl Coenzyme A mutase/MUT antibody) at dilution of 1:10000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84879-5-PBS in a different storage buffer formulation.



1x10⁶ A431 cells were intracellularly stained with 0.25 ug Methylmalonyl Coenzyme A mutase/MUT Recombinant antibody (84879-5-RR, Clone:242198F11) and APC-Conjugated Goat Anti-Rabbit IgG(H+L)(red), or 0.25 ug Rabbit IgG Isotype Control RecAb (98136-1-RR, Clone: 240953C9) (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



Biolayer interferometry (BLI) kinetic assays of 84879-5-RR against Human Methylmalonyl Coenzyme A mutase/MUT were performed. The affinity constant is 1.83 nM.