

For Research Use Only

# ACSF2 Recombinant antibody, PBS Only (Detector)

Catalog Number: 84033-3-PBS



## Basic Information

<b>Catalog Number:</b> 84033-3-PBS	<b>GenBank Accession Number:</b> BC012053	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 80221	<b>CloneNo.:</b> 241208D9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q96CM8	
<b>Isotype:</b> IgG	<b>Full Name:</b> acyl-CoA synthetase family member 2	
<b>Immunogen Catalog Number:</b> AG9199	<b>Calculated MW:</b> 615 aa, 68 kDa	
	<b>Observed MW:</b> 51-71 kDa	

## Applications

**Tested Applications:**  
WB, FC (Intra), Cytometric bead array, Indirect ELISA

**Species Specificity:**  
human

## Product Information

84033-3-PBS targets ACSF2 as part of a matched antibody pair:

MP00952-1: 84033-2-PBS capture and 84033-3-PBS detection (validated in Cytometric bead array)

MP00952-3: 84033-1-PBS capture and 84033-3-PBS detection (validated in Cytometric bead array)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) storage buffer at a concentration of 1 mg/mL, ready for conjugation. Created using Proteintech's proprietary in-house recombinant technology. Recombinant production enables unrivalled batch-to-batch consistency, easy scale-up, and future security of supply.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

## Background Information

ACSF2 (encoded by acyl-CoA synthetase family member 2) belongs to the acyl-CoA synthetase (ACS) family, activating fatty acids by forming a thioester bond with CoA.

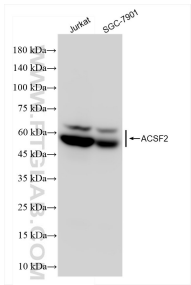
## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS Only

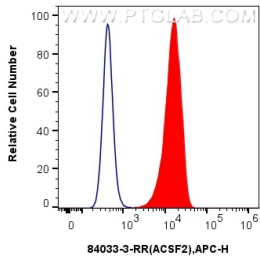
For technical support and original validation data for this product please contact:  
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)  
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

This product is exclusively available under Proteintech Group brand and is not available to purchase from any other manufacturer.

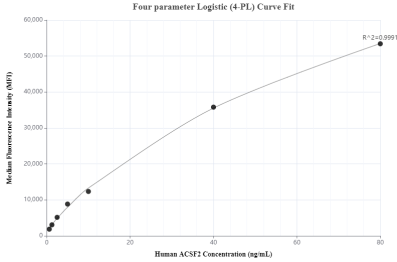
Selected Validation Data



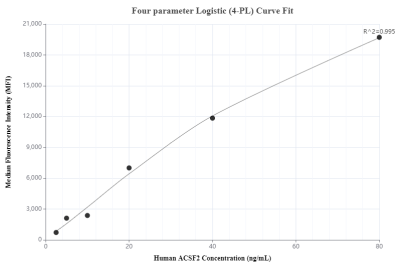
Various lysates were subjected to SDS PAGE followed by western blot with 84033-3-RR (ACSF2 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 84033-3-PBS in a different storage buffer formulation.



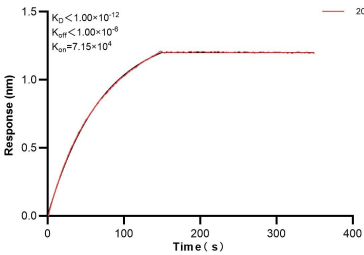
1x10<sup>6</sup> A549 cells were intracellularly stained with 0.25 ug ACSF2 Recombinant antibody (84033-3-RR, Clone:241208D9) and Multi-rAb CoraLite® Plus 647-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR005)(red), or 0.25 ug Isotype Control (blue). Cells were fixed with 4% PFA and permeabilized with Flow Cytometry Perm Buffer (PF00011-C). This data was developed using the same antibody clone with 84033-3-PBS in a different storage buffer



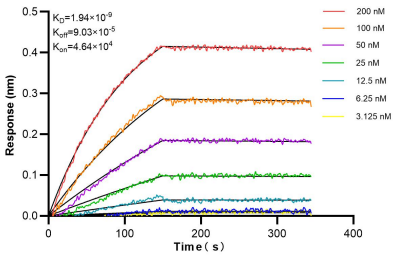
Cytometric bead array standard curve of MP00952-1, ACSF2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84033-2-PBS. Detection antibody: 84033-3-PBS. Standard: Ag9199. Range: 0.625-80 ng/mL



Cytometric bead array standard curve of MP00952-3, ACSF2 Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 84033-1-PBS. Detection antibody: 84033-3-PBS. Standard: Ag9199. Range: 2.5-80 ng/mL



Bioluminescence resonance energy transfer (BRET) kinetic assay of 84033-3-PBS against Human ACSF2 was performed. The affinity constant is below 1 pM.



Bioluminescence resonance energy transfer (BRET) kinetic assays of 84033-3-RR against Human ACSF2 were performed. The affinity constant is 1.94 nM.