

For Research Use Only

# AARS Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87581-5-PBS



## Basic Information

<b>Catalog Number:</b> 87581-5-PBS	<b>GenBank Accession Number:</b> BC011451	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 16	<b>CloneNo.:</b> 253004B6
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P49588	
<b>Isotype:</b> IgG	<b>Full Name:</b> alanyl-tRNA synthetase	
<b>Immunogen Catalog Number:</b> AG11294	<b>Calculated MW:</b> 968 aa, 107 kDa	

## Applications

**Tested Applications:**  
Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Product Information

87581-5-PBS targets AARS as part of a matched antibody pair:

MP03098-2: 87581-5-PBS capture and 87581-3-PBS detection (validated in Sandwich ELISA)

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.

## Storage

**Storage:**  
Store at -80°C.  
**Storage Buffer:**  
PBS only, pH7.3

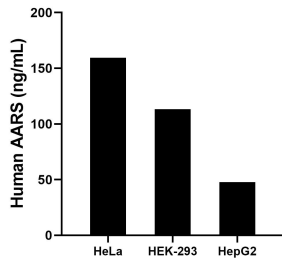
For technical support and original validation data for this product please contact:

T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)

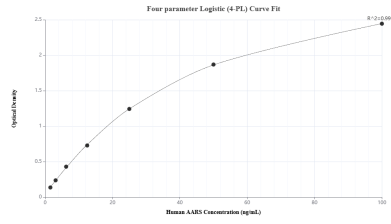
E: proteintech@ptglab.com  
W: ptglab.com

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

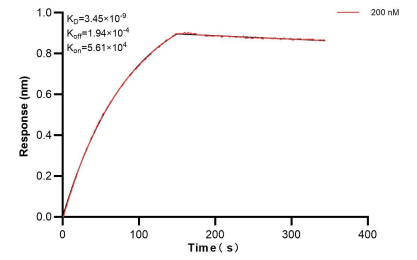
## Selected Validation Data



The mean AARS concentration was determined to be 159.36 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 113.33 ng/mL in HEK-293 cell extract based on a 1.2 mg/mL extract load and 47.64 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.



Sandwich ELISA standard curve of MP03098-2, Human AARS Recombinant Matched Antibody Pair - PBS only. 87581-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag11294. 87581-3-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL



Bi-layer interferometry (BLI) kinetic assay of 87581-5-PBS against Human AARS was performed. The affinity constant is 3.45 nM.