

For Research Use Only

# AARS Recombinant monoclonal antibody, PBS Only (Detector)

Catalog Number: 87581-3-PBS



## Basic Information

<b>Catalog Number:</b> 87581-3-PBS	<b>GenBank Accession Number:</b> BC011451	<b>Purification Method:</b> Protein A purification
<b>Source:</b> Rabbit	<b>GeneID (NCBI):</b> 16	<b>CloneNo.:</b> 253004E4
<b>Isotype:</b> IgG	<b>UNIPROT ID:</b> P49588	
<b>Immunogen Catalog Number:</b> AG11294	<b>Full Name:</b> alanyl-tRNA synthetase	
	<b>Calculated MW:</b> 968 aa, 107 kDa	

## Applications

**Tested Applications:**  
Cytometric bead array, Sandwich ELISA, Indirect ELISA

**Species Specificity:**  
human

## Background Information

### Storage

**Storage:**  
Store at -80°C.  
**The product is shipped with ice packs. Upon receipt, store it immediately at -80°C**

**Storage Buffer:**  
PBS only, pH7.3

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

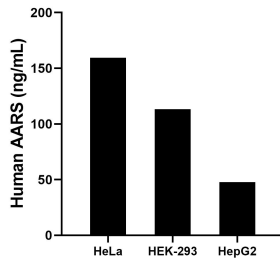
T: 4006900926

E: [Proteintech-CN@ptglab.com](mailto:Proteintech-CN@ptglab.com)

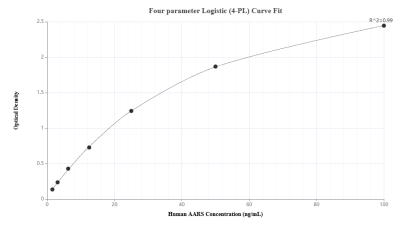
W: [ptgcn.com](http://ptgcn.com)

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

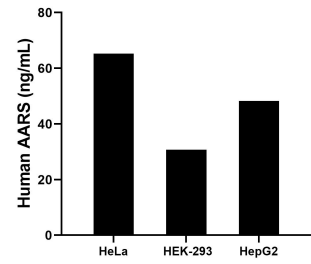
## Selected Validation Data



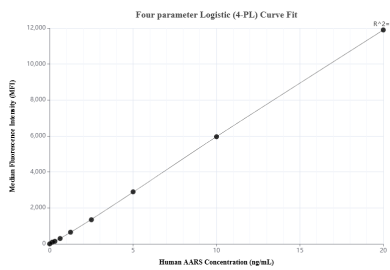
The mean AARS concentration was determined to be 159.36 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 113.33 ng/mL in HEK-293 cell extract based on a 1.2 mg/mL extract load and 47.64 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.



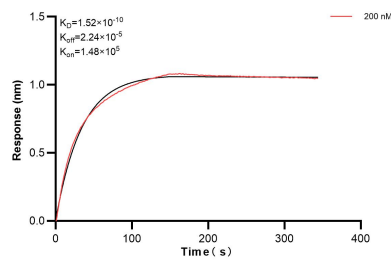
Sandwich ELISA standard curve of MP03098-2, Human AARS Recombinant Matched Antibody Pair - PBS only. 87581-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag11294. 87581-3-PBS was HRP conjugated as the detection antibody. Range: 1.56-100 ng/mL



The mean AARS concentration was determined to be 65.3 ng/mL in HeLa cell extract based on a 1.2 mg/mL extract load, 30.7 ng/mL in HEK-293 cell extract based on a 1.2 mg/mL extract load, 48.3 ng/mL in HepG2 cell extract based on a 1.2 mg/mL extract load.



Cytometric bead array standard curve of MP03098-1, AARS Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 87581-4-PBS. Detection antibody: 87581-3-PBS. Standard: Ag11294. Range: 0.156-20 ng/mL



Biolayer interferometry (BLI) kinetic assay of 87581-3-PBS against Human AARS was performed. The affinity constant is 0.152 nM.