

For Research Use Only

# MTHFR Recombinant antibody, PBS Only (Detector)

Catalog Number: 83372-4-PBS



## Basic Information

<b>Catalog Number:</b> 83372-4-PBS	<b>GenBank Accession Number:</b> BC053509	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 1 mg/ml	<b>GeneID (NCBI):</b> 4524	<b>CloneNo.:</b> 240348H7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P42898	
<b>Isotype:</b> IgG	<b>Full Name:</b> 5,10-methylenetetrahydrofolate reductase (NADPH)	
<b>Immunogen Catalog Number:</b> AG14970	<b>Calculated MW:</b> 656 aa, 75 kDa	

## Applications

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

**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

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

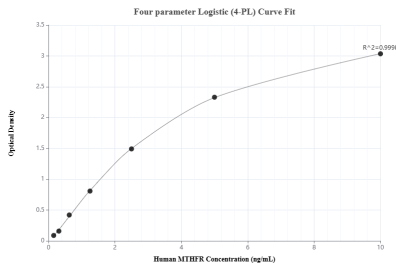
T: 4006900926

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

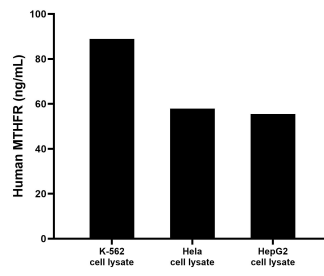
W: [ptgcn.com](http://ptgcn.com)

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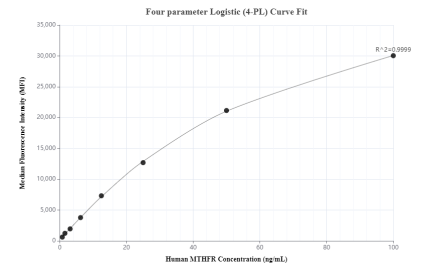
## Selected Validation Data



Sandwich ELISA standard curve of MP00372-1, Human MTHFR Recombinant Matched Antibody Pair - PBS only. 83372-5-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag14970. 83372-4-PBS was HRP conjugated as the detection antibody. Range: 0.156-10 ng/mL



K-562, HeLa and HepG2 cell lysates were measured. The human MTHFR concentration of detected samples was determined to be 88.86 ng/mL (based on a 4.5 mg/mL extract load) in K-562 cell lysate, 57.89 ng/mL (based on a 3.2 mg/mL extract load) in HeLa cell lysate and 55.55 ng/mL (based on a 5 mg/mL extract load) in HepG2 cell lysate.



Cytometric bead array standard curve of MP00372-1, MTHFR Recombinant Matched Antibody Pair, PBS Only. Capture antibody: 83372-5-PBS. Detection antibody: 83372-4-PBS. Standard: Ag14970. Range: 0.78-100 ng/mL