

For Research Use Only

# IL-1 alpha Recombinant Matched Antibody Pair, PBS Only



Catalog Number:MP01289-3

## Capture Antibody Information

Catalog Number:  
84411-2-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
241752E8

Reactivity:  
human

Immunogen Catalog Number:  
HZ-1320

Conjugate:  
Unconjugated

Full name:  
interleukin 1, alpha

Gene ID:  
3552

## Detection Antibody Information

Catalog Number:  
84411-3-PBS

Host:  
Rabbit

Isotype:  
IgG

Purification Method:  
Protein A purification

Clone ID:  
241752F11

Reactivity:  
human

GenBank:  
BC013142

Immunogen Catalog Number:  
HZ-1320

Conjugate:  
Unconjugated

Full name:  
interleukin 1, alpha

Gene ID:  
3552

## Applications

Tested Applications:  
Sandwich ELISA

Range:  
9.77-313 pg/mL (Sandwich ELISA)

Recommended Dilutions:  
It is recommended that this reagent should be titrated in each testing system to obtain optimal results.

## Product Information

MP01289-3 targets IL-1 alpha in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: IL1A Recombinant antibody, PBS Only (Capture) 84411-2-PBS (241752E8). 100 µg. Concentration 1 mg/ml.

Detection antibody: IL1A Recombinant antibody, PBS Only (Capture/Detector) 84411-3-PBS (241752F11). 100 µg. Concentration 1 mg/ml.

Unconjugated rabbit recombinant monoclonal antibody pair in PBS only 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.

Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

## Storage

Storage:  
Store at -80°C.  
Storage buffer:  
PBS only

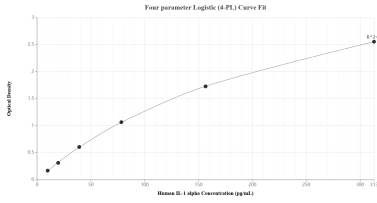
For technical support and original validation data for this product please contact:

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

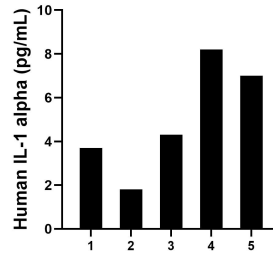
E: [proteintech@ptglab.com](mailto:proteintech@ptglab.com)  
W: [ptglab.com](http://ptglab.com)

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

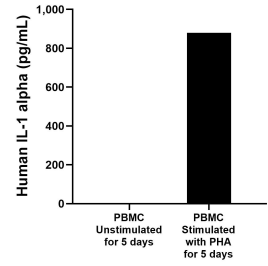
## Selected Validation Data



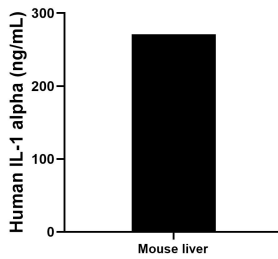
Sandwich ELISA standard curve of MP01289-3, Human IL-1 alpha Recombinant Matched Antibody Pair - PBS only. 84411-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard HZ-1320. 84411-3-PBS was HRP conjugated as the detection antibody. Range: 9.77-313 pg/mL.



Serum of five individual healthy human donors was measured. The IL-1 alpha concentration of detected samples was determined to be 5.0 pg/mL with a range of 1.8-8.2 pg/mL.



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 5 days. The mean IL-1 alpha concentration was determined to be 2.1 pg/mL in unstimulated PBMC supernatant, 880.0 pg/mL in PHA stimulated PBMC supernatant.



The mean IL-1 alpha concentration was determined to be 271.0 ng/mL in mouse liver cell extract based on a 3.7 mg/mL extract load.