

IFN-alpha Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03090-1**

Capture Antibody Information

Catalog Number:
87610-2-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
252039D11

Reactivity:
human

Immunogen Catalog Number:
Eg2592

Conjugate:
Unconjugated

Full name:
IFNA1

Gene ID:
3439

Detection Antibody Information

Catalog Number:
87610-1-PBS

Host:
Rabbit

Isotype:
IgG

Purification Method:
Protein A purification

Clone ID:
252039B7

Reactivity:
human

GenBank:
NM_024013.2

Immunogen Catalog Number:
Eg2592

Conjugate:
Unconjugated

Full name:
IFNA1

Gene ID:
3439

Applications

Tested Applications:
Sandwich ELISA

Range:
15.6-1000 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

MP03090-1 targets IFN-alpha in immunoassays as a matched antibody pair. Validated in Sandwich ELISA.

Capture antibody: IFNA1 Recombinant monoclonal antibody, PBS Only (Capture) 87610-2-PBS (252039D11). 100 µg. Concentration 1 mg/mL.

Detection antibody: IFNA1 Recombinant monoclonal antibody, PBS Only (Detector) 87610-1-PBS (252039B7). 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

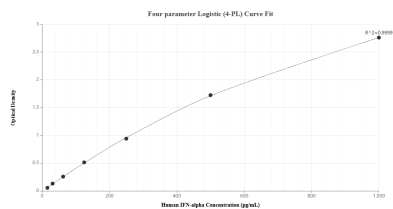
For technical support and original validation data for this product please contact:

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

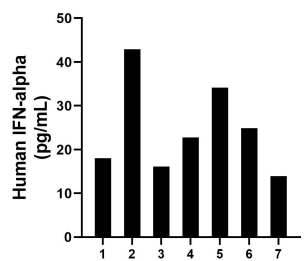
E: proteintech@ptglab.com
W: ptglab.com

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

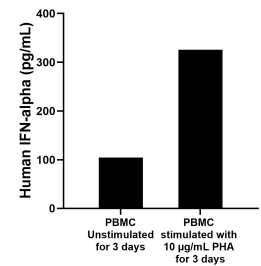
Selected Validation Data



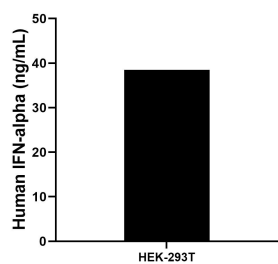
Sandwich ELISA standard curve of MP03090-1, Human IFN-alpha Recombinant Matched Antibody Pair - PBS only. 87610-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag35032. 87610-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



Plasma of seven individual healthy human donors was measured. The human IFN-alpha concentration of detected samples was determined to be 24.69 pg/mL with a range of 13.9 - 42.9 pg/mL.



Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 3 days. The mean IFN-alpha concentration was determined to be 104.4 pg/mL in unstimulated PBMC supernatant, 325.9 pg/mL in PHA stimulated PBMC supernatant.



The mean IFN-alpha concentration was determined to be 38.48 ng/mL in HEK-293T cell extract based on a 1.3 mg/mL extract load.