

IFN-alpha Recombinant Matched Antibody Pair, PBS Only

Catalog Number: **MP03090-1**

Capture Antibody Information

Catalog Number: 87610-2-PBS	Clone ID: 252039D11	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: IFNA1
Isotype: IgG	GenBank: NM_024013.2	Gene ID: 3439
Purification Method: Protein A purification	Immunogen Catalog Number: Eg2592	

Detection Antibody Information

Catalog Number: 87610-1-PBS	Clone ID: 252039B7	Conjugate: Unconjugated
Host: Rabbit	Reactivity: human	Full name: IFNA1
Isotype: IgG	GenBank: NM_024013.2	Gene ID: 3439
Purification Method: Protein A purification	Immunogen Catalog Number: Eg2592	

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.
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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.

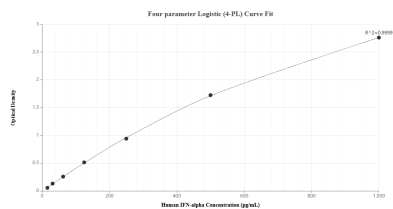
Matched antibody pairs are designed for use in a variety of assays and platforms that require matched antibody pairs.

Antibody use should be optimized for each application and assay.

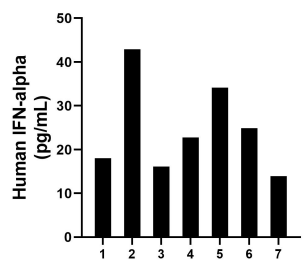
Storage

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

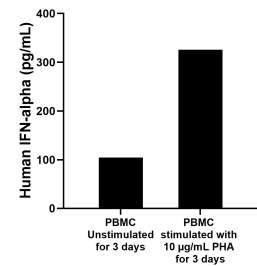
Selected Validation Data



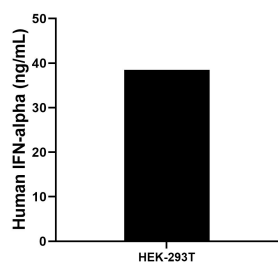
Sandwich ELISA standard curve of MP03090-1, Human IFN-alpha Recombinant Matched Antibody Pair - PBS only. 87610-2-PBS was coated to a plate as the capture antibody and incubated with serial dilutions of standard Ag35032. 87610-1-PBS was HRP conjugated as the detection antibody. Range: 15.6-1000 pg/mL



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.