

For Research Use Only

IFN-alpha Recombinant monoclonal antibody, PBS Only (Capture)

Catalog Number: 87610-2-PBS



Basic Information

Catalog Number: 87610-2-PBS	GenBank Accession Number: NM_024013.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3439	CloneNo.: 252039D11
Source: Rabbit	UNIPROT ID: P01562	
Isotype: IgG	Full Name: IFNA1	
Immunogen Catalog Number: EG2592	Calculated MW: 22 kDa	

Applications

Tested Applications:
Sandwich ELISA, Indirect ELISA

Species Specificity:
human

Product Information

87610-2-PBS targets IFN-alpha as part of a matched antibody pair:

MP03090-1: 87610-2-PBS capture and 87610-1-PBS detection (validated in Sandwich ELISA)

Unconjugated rabbit recombinant monoclonal antibody in PBS only (BSA and azide free) 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.

This conjugation ready format makes antibodies ideal for use in many applications including: ELISAs, multiplex assays requiring matched pairs, mass cytometry, and multiplex imaging applications. Antibody use should be optimized by the end user for each application and assay.

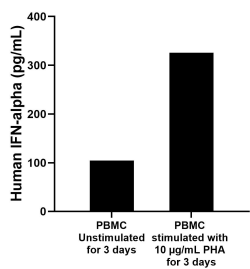
Storage

Storage:
Store at -80°C.
Storage Buffer:
PBS only, pH7.3

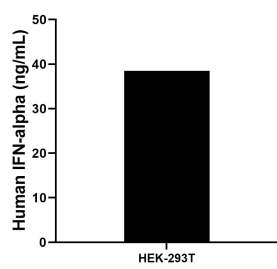
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

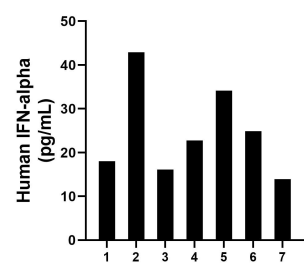
Selected Validation Data



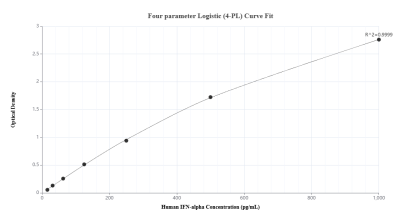
Human peripheral blood mononuclear cells (PBMC) were cultured unstimulated or stimulated with 10 µg/mL PHA for 3 days. The mean IFN-alpha concentration was determined to be 104.4 pg/mL in unstimulated PBMC supernatant, 325.9 pg/mL in PHA stimulated PBMC supernatant.



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.



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.



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