

For Research Use Only

IFN-alpha 4/IFNA4 Recombinant monoclonal antibody, PBS Only

Catalog Number:87105-1-PBS



Basic Information

Catalog Number: 87105-1-PBS	GenBank Accession Number: BC113642	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3441	CloneNo.: 250992G9
Source: Rabbit	UNIPROT ID: P05014	
Isotype: IgG	Full Name: interferon, alpha 4	
Immunogen Catalog Number: EG4962		

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

Background Information

IFN-alpha 4 (IFN- α 4 or IFNA4) belongs to the type I interferon family, a group of cytokines primarily produced in response to viral infections. As a key player in the innate immune response, IFN- α 4 provides the body's first line of defense against pathogens by inducing an antiviral state in neighboring cells. Produced primarily by macrophages, IFN- α 4 exerts its antiviral effects by binding to the interferon alpha receptor (IFNAR) on cell surfaces, thereby activating downstream immune signaling pathways. This binding triggers the expression of antiviral proteins, such as a protein kinase and an oligoadenylate synthetase, which inhibit viral RNA replication and enhance natural killer cell cytotoxicity against viruses.

Storage

Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

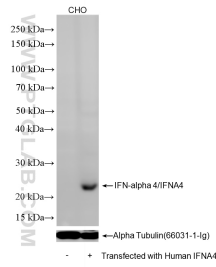
For technical support and original validation data for this product please contact:

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

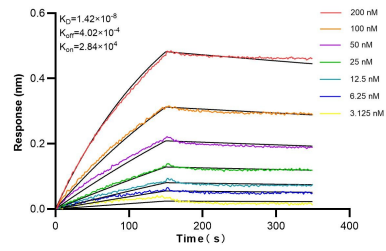
E: proteintech@ptglab.com
W: ptglab.com

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

Selected Validation Data



Untransfected and human IFN-alpha 4 transfected CHO cells were subjected to SDS PAGE followed by western blot with 87105-1-RR (IFNA4 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87105-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87105-1-RR against Human IFN-alpha 4/IFNA4 were performed. The affinity constant is 14.2 nM.