

For Research Use Only

IFN-alpha Recombinant monoclonal antibody

Catalog Number: 87610-3-RR



Basic Information

Catalog Number:	87610-3-RR	GenBank Accession Number:	NM_024013.2	Purification Method:	Protein A purification
Size:	100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI):	3439	CloneNo.:	252039C10
Source:	Rabbit	UNIPROT ID:	P01562	Recommended Dilutions:	WB: 1:2000-1:10000 IF/ICC: 1:250-1:1000
Isotype:	IgG	Full Name:	IFNA1		
Immunogen Catalog Number:	EG2592	Calculated MW:	22 kDa		

Applications

Tested Applications:	WB, IF/ICC, ELISA	Positive Controls:	
Species Specificity:	human	WB :	Recombinant protein, Transfected with IFNA1 CHO cells
		IF/ICC :	Transfected CHO,

Background Information

IFNA1 (IF-alpha) is a member of the Type I IFN (1) family best known for their antiviral activity. It is a key cytokine regulating the activity of B cells, T-helper cells (Th cells), cDCs and natural killer cells (NK cells). IFNA1 induces B cell maturation into plasma cells and immunoglobulin production. IFNA1 plays an important role in the pathogenesis of systemic lupus erythematosus (SLE). IFNA1 was the first cytokine to show clinical benefit in the treatment of certain types of cancer, including melanoma, chronic myelogenous leukemia, and renal cancer.

Storage

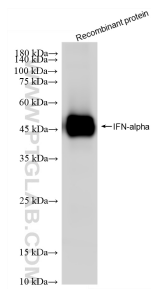
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

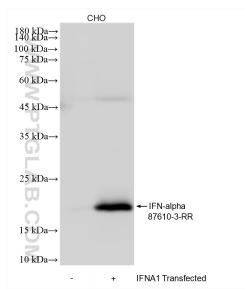
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

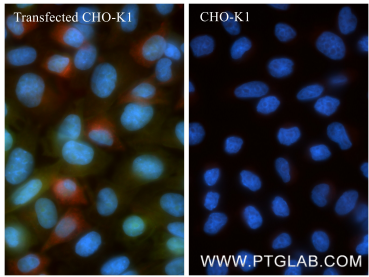
Selected Validation Data



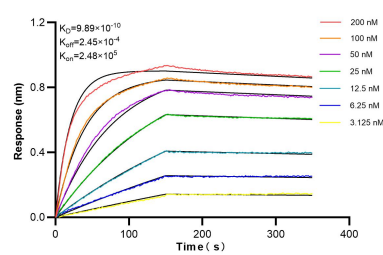
Human IFN-alpha recombinant protein was subjected to SDS PAGE followed by western blot with 87610-3-RR (IFNA1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



CHO cells transfected with human IFN-alpha were subjected to SDS PAGE followed by western blot with 87610-3-RR (IFNA1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Immunofluorescent analysis of (4% PFA) fixed Transfected CHO using IFN-alpha antibody (87610-3-RR, Clone: 252039C10) at dilution of 1:500 and Multi-rAb CoraLite ® Plus 594-Goat Anti-Rabbit Recombinant Secondary Antibody (H+L) (RGAR004).



Biolayer interferometry (BLI) kinetic assays of 87610-3-RR against Human IFN-alpha were performed. The affinity constant is 0.989 nM.