

For Research Use Only

IFN-alpha Recombinant monoclonal antibody, PBS Only

Catalog Number: 87610-3-PBS



Basic Information

Catalog Number: 87610-3-PBS	GenBank Accession Number: NM_024013.2	Purification Method: Protein A purification
Size: 100ug , Concentration: 1 mg/ml by Nanodrop;	GeneID (NCBI): 3439	CloneNo.: 252039C10
Source: Rabbit	UNIPROT ID: P01562	
Isotype: IgG	Full Name: IFNA1	
Immunogen Catalog Number: EG2592	Calculated MW: 22 kDa	

Applications

Tested Applications:
WB, Indirect ELISA

Species Specificity:
human

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

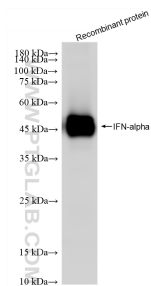
Storage:
Store at -80°C.

Storage Buffer:
PBS only, pH7.3

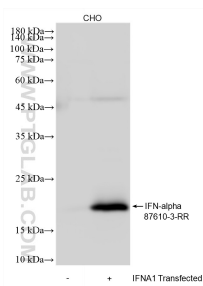
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
W: ptglab.com

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

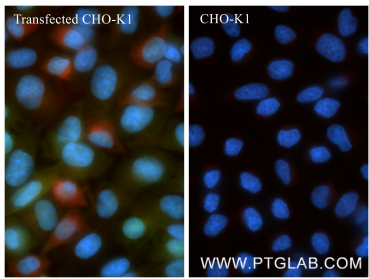
Selected Validation Data



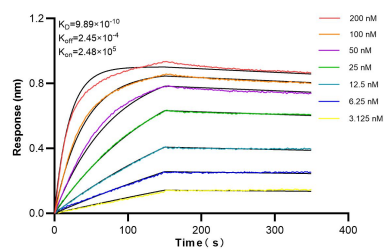
Human IFN-alpha recombinant protein was subjected to SDS PAGE followed by western blot with 87610-3-RR (IFNA1 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87610-3-PBS in a different storage buffer formulation.



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. This data was developed using the same antibody clone with 87610-3-PBS in a different storage buffer formulation.



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). This data was developed using the same antibody clone with 87610-3-PBS in a different storage buffer formulation.



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