

For Research Use Only

IFNA8 Recombinant monoclonal antibody

Catalog Number: 87827-1-RR



Basic Information

Catalog Number: 87827-1-RR	GenBank Accession Number: BC104830	Purification Method: Protein A purification
Source: Rabbit	GeneID (NCBI): 3445	CloneNo.: 252963A7
Isotype: IgG	UNIPROT ID: P32881	Recommended Dilutions: WB: 1:2000-1:10000
Immunogen Catalog Number: EG4954	Full Name: interferon, alpha 8	
	Observed MW: 25 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : Transfected with IFNA8 HEK-293T cells,
Species Specificity: human	

Background Information

IFNA8 (Interferon alpha-8) is a member of the type I interferon family, primarily produced by macrophages and virus-infected cells, and possesses broad-spectrum antiviral activity. This protein exerts its effects by binding to the type I interferon receptor, activating the JAK-STAT signaling pathway, and inducing the expression of various interferon-stimulated genes (ISGs). Studies have shown that the antiviral activity of IFNA8 is significantly higher than that of other subtypes such as IFNA1, playing a crucial role in defending against infections like vesicular stomatitis virus. Furthermore, the transcription of IFNA8 is regulated by the transcription factor Oct-1, and single nucleotide polymorphisms in its promoter region are associated with the prognosis of glioma patients.

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

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

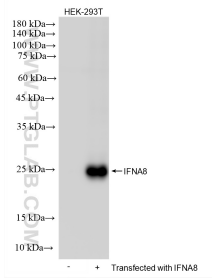
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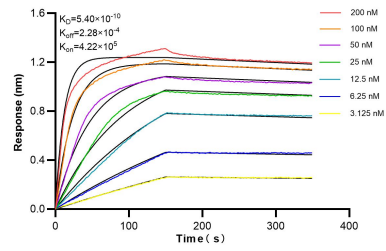
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87827-1-RR (IFNA8 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours.



Biolayer interferometry (BLI) kinetic assays of 87827-1-RR against Human IFNA8 were performed. The affinity constant is 0.54 nM.