

For Research Use Only

# IFNA8 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87827-1-PBS



## Basic Information

<b>Catalog Number:</b> 87827-1-PBS	<b>GenBank Accession Number:</b> BC104830	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 3445	<b>CloneNo.:</b> 252963A7
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> P32881	
<b>Isotype:</b> IgG	<b>Full Name:</b> interferon, alpha 8	
<b>Immunogen Catalog Number:</b> EG4954	<b>Observed MW:</b> 25 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**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 -80°C.

**Storage Buffer:**  
PBS only, pH7.3

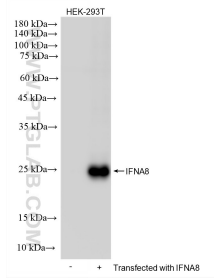
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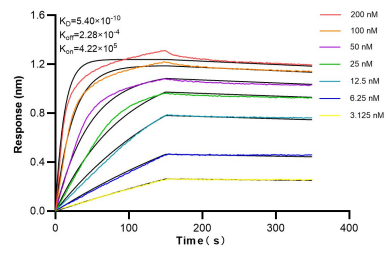
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## Selected Validation Data



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. This data was developed using the same antibody clone with 87827-1-PBS in a different storage buffer formulation.



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