

For Research Use Only

# IFIH1/MDA5 Recombinant monoclonal antibody, PBS Only

Catalog Number: 87135-1-PBS



## Basic Information

<b>Catalog Number:</b> 87135-1-PBS	<b>GenBank Accession Number:</b> BC111750	<b>Purification Method:</b> Protein A purification
<b>Size:</b> 100ug , Concentration: 1 mg/ml by Nanodrop;	<b>GeneID (NCBI):</b> 64135	<b>CloneNo.:</b> 252265E9
<b>Source:</b> Rabbit	<b>UNIPROT ID:</b> Q9BYX4	
<b>Isotype:</b> IgG	<b>Full Name:</b> interferon induced with helicase C domain 1	
<b>Immunogen Catalog Number:</b> AG16467	<b>Calculated MW:</b> 1025 aa, 117 kDa	
	<b>Observed MW:</b> 135 kDa	

## Applications

**Tested Applications:**  
WB, Indirect ELISA

**Species Specificity:**  
human

## Background Information

IFIH1 (Interferon-induced helicase C domain-containing protein 1) is a putative RNA helicase that is upregulated in response to treatment with IFNB or IFNB and MEZ. It is also named as MDA5 and RH116. Ectopic expression of MDA5 in melanoma cells resulted in reduced colony formation, suggesting an interaction of the CARD and apoptotic signal molecules. Functional analysis indicated that MDA5 is an RNA-dependent ATPase. IFIH1 has an apparent molecular mass of 117-130 kDa, and always other bands (70 kDa and 90 kDa) can be detected as cleaved products (PMID: 17267501). This antibody is specific to IFIH1.

## Storage

**Storage:**  
Store at -80°C.

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

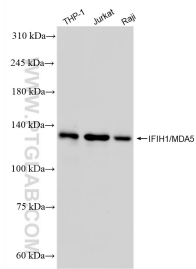
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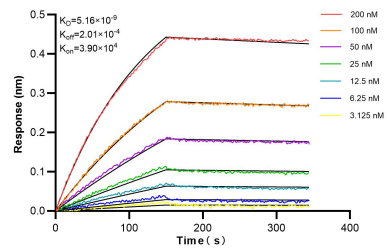
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## Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87135-1-RR (IFIH1/MDA5 antibody) at dilution of 1:1000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 87135-1-PBS in a different storage buffer formulation.



Biolayer interferometry (BLI) kinetic assays of 87135-1-RR against Human IFIH1 were performed. The affinity constant is 5.16 nM.