

For Research Use Only

IFIH1/MDA5 Recombinant monoclonal antibody

Catalog Number: 87135-1-RR



Basic Information

Catalog Number: 87135-1-RR	GenBank Accession Number: BC111750	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 64135	CloneNo.: 252265E9
Source: Rabbit	UNIPROT ID: Q9BYX4	Recommended Dilutions: WB: 1:500-1:2000
Isotype: IgG	Full Name: interferon induced with helicase C domain 1	
Immunogen Catalog Number: AG16467	Calculated MW: 1025 aa, 117 kDa	
	Observed MW: 135 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : THP-1 cells, Jurkat cells, Raji cells
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

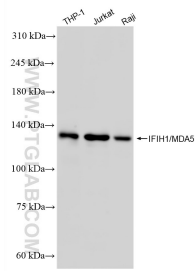
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 20ul sizes contain 0.1% BSA

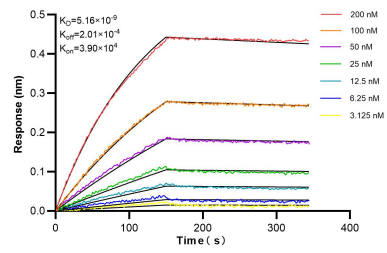
For technical support and original validation data for this product please contact:
T: 1 (888) 4PTGLAB (1-888-478-4522) (toll free in USA), or 1(312) 455-8498 (outside USA)
E: proteintech@ptglab.com
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Selected Validation Data



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.



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