

For Research Use Only

ISG15 Recombinant monoclonal antibody

Catalog Number: 87799-2-RR



Basic Information

Catalog Number: 87799-2-RR	GenBank Accession Number: BC009507	Purification Method: Protein A purification
Size: 100ul , Concentration: 1000 µg/ml by Nanodrop;	GeneID (NCBI): 9636	CloneNo.: 260123E6
Source: Rabbit	UNIPROT ID: P05161	Recommended Dilutions: WB: 1:1000-1:4000
Isotype: IgG	Full Name: ISG15 ubiquitin-like modifier	
Immunogen Catalog Number: AG8782	Calculated MW: 165 aa, 18 kDa	
	Observed MW: 15 kDa	

Applications

Tested Applications: WB, ELISA	Positive Controls: WB : HeLa cells, HepG2 cells, MCF-7 cells
Species Specificity: human	

Background Information

ISG15 is a ubiquitin-like protein that becomes conjugated to many cellular proteins upon activation by interferon-alpha (IFNA) and -beta (IFNB). ISG15 forms covalent conjugates with its target proteins in a process called ISGylation, which in mammals is known to play a role in antiviral immunity. ISG15 proteins possess two ubiquitin-like (UBL) domains and a highly conserved C-terminal LRGG sequence, the latter being known as the ubiquitin conjugation motif. Intracellular ISG15 are conjugated, via the LRGG motif, to target proteins through a process called ISGylation, which resembles largely ubiquitination, the process of formation of ubiquitin conjugates. Unconjugated extracellular ISG15, which are released from several types of human and murine cells, are known to possess cytokine-like activity.

Storage

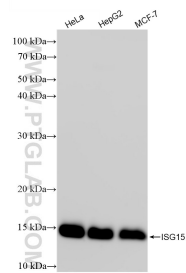
Storage:
Store at -20°C. Stable for one year after shipment.
Storage Buffer:
PBS with 0.02% sodium azide and 50% glycerol, pH7.3
Aliquoting is unnecessary for -20°C storage

*** 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)
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 87799-2-RR (ISG15 antibody) at dilution of 1:2000 incubated at room temperature for 1.5 hours.