

For Research Use Only

ISG15 Monoclonal antibody, PBS Only



Catalog Number: 68408-1-PBS

Basic Information

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| Catalog Number: 68408-1-PBS | GenBank Accession Number: BC009507 | Purification Method: Protein A purification |
| Size: 1 mg/ml | GeneID (NCBI): 9636 | CloneNo.: 3G9A2 |
| Source: Mouse | UNIPROT ID: P05161 | |
| Isotype: IgG2a | Full Name: ISG15 ubiquitin-like modifier | |
| Immunogen Catalog Number: AG8953 | Calculated MW: 165 aa, 18 kDa | |
| | Observed MW: 13-17 kDa | |

Applications

Tested Applications:
WB, Indirect ELISA

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 -80°C.

Storage Buffer:
PBS Only

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

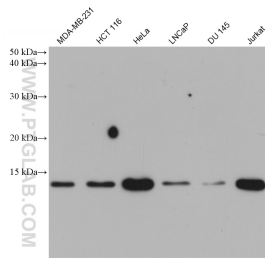
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Selected Validation Data



Various lysates were subjected to SDS PAGE followed by western blot with 68408-1-Ig (ISG15 antibody) at dilution of 1:5000 incubated at room temperature for 1.5 hours. This data was developed using the same antibody clone with 68408-1-PBS in a different storage buffer formulation.