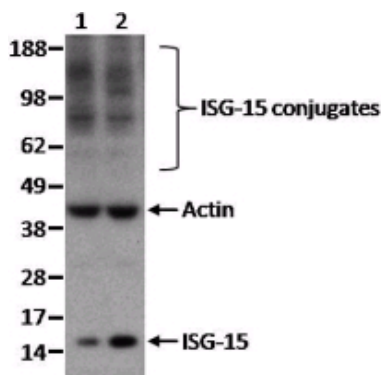


## Anti-Mouse ISG15 Purified

Catalog Number: 14-5857

Also Known As: ISG-15

RUO: For Research Use Only



Immunoblot of unstimulated (lane 1) or LPS-stimulated (lane 2) RAW264.7 cell line lysates with 2 µg/ml of Anti-Mouse ISG15 Purified. ISG-15 was upregulated in the activated sample. Co-incubation with anti-actin antibody confirmed equal loading. ISG-15, a ubiquitin-like protein, is conjugated to many cellular proteins leading to the large molecular weight signal. Bands were visualized using Anti-Armenian Hamster IgG HRP and Anti-Mouse IgG, respectively.

### Product Information

Contents: Anti-Mouse ISG15 Purified

 Catalog Number: 14-5857

Clone: 3C2

Concentration: 0.5 mg/ml

Host/Isotype: Armenian Hamster IgG

Formulation: aqueous buffer, 0.09% sodium azide, may contain carrier protein/stabilizer



Temperature Limitation: Store at 2-8°C.



Batch Code: Refer to Vial



Use By: Refer to Vial



Caution, contains Azide

### Description

This 3C2 monoclonal antibody reacts with mouse interferon stimulated gene-15 (ISG-15), a 15kDa ubiquitin-like protein (UBL) and cytokine. ISG-15 is translated as a precursor that is subsequently activated by an E1 enzyme, conjugated by an E2 enzyme via the C-terminal LRLGG motif and ligated by an E3 ligase. The activity of ISG-15 is dependent on its modification of target proteins at specific lysine residues. Several viruses utilize ISG-15 and ubiquitin deconjugating proteases, while influenza B protein NS1 has been shown to specifically bind ISG-15 thereby blocking its conjugation.

In addition to its role as a protein modification, ISG-15 is secreted by monocytes and lymphocytes in response to IFN $\alpha$ ,  $\beta$ , or  $\gamma$ , as well as influenza B virus. In this role as cytokine, it has been shown to induce secretion of IFN $\gamma$  and support NK cell proliferation and cytolytic activity.

### Applications Reported

This 3C2 antibody has been reported for use in immunoblotting (WB).

### Applications Tested

This 3C2 antibody has been tested by immunoblot of Raw 264.7 cell lysates at <2µg/ml. It is recommended that the antibody be carefully titrated for optimal performance in the assay of interest.

### References

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#### Related Products

14-4888 Armenian Hamster IgG Isotype Control Purified (eBio299Arm)

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