

ISG15 (3C2): sc-130516

BACKGROUND

Interferon-induced 15 kDa protein (ISG15) acts as ubiquitin by conjugating to intracellular target proteins such as JAK1 or MAPK3/ERK1 through an enzyme pathway distinct from that of ubiquitin. ISG15 shows specific chemotactic activity towards neutrophils and activates them to induce the release of eosinophil chemotactic factors. ISG15 is also involved in paracrine, autocrine and endocrine mechanisms by inducing IFN- γ secretion by monocytes and macrophages, as in cell-to-cell signaling. ISG15 is a cytoplasmic protein expressed mainly in muscle, epithelial, neuronal and lymphoid cells.

REFERENCES

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CHROMOSOMAL LOCATION

Genetic locus: *Isg15* (mouse) mapping to 4 E2.

SOURCE

ISG15 (3C2) is a Armenian hamster monoclonal antibody raised against His-tagged recombinant ISG15 of mouse origin.

PRODUCT

Each vial contains 200 μ g IgG in 1.0 ml of PBS with < 0.1% sodium azide and 0.1% gelatin.

STORAGE

Store at 4° C, ****DO NOT FREEZE****. Stable for one year from the date of shipment. Non-hazardous. No MSDS required.

RESEARCH USE

For research use only, not for use in diagnostic procedures.

APPLICATIONS

ISG15 (3C2) is recommended for detection of ISG15 of mouse origin by Western Blotting (starting dilution 1:200, dilution range 1:100-1:1000), immunoprecipitation [1-2 μ g per 100-500 μ g of total protein (1 ml of cell lysate)] and immunofluorescence (starting dilution 1:50, dilution range 1:50-1:500).

Suitable for use as control antibody for ISG15 siRNA (m): sc-60049, ISG15 shRNA Plasmid (m): sc-60049-SH and ISG15 shRNA (m) Lentiviral Particles: sc-60049-V.

Molecular Weight of ISG15: 15 kDa.

PROTOCOLS

See our web site at www.scbt.com for detailed protocols and support products.



See **ISG15 (F-9): sc-166755** for ISG15 antibody conjugates, including AC, HRP, FITC, PE, Alexa Fluor[®] 488 and Alexa Fluor[®] 647.