

# Mouse Anti-Ifngr2 Monoclonal Antibody

**Cat. No.** DMABT-H18647    **Lot. No.** (See product label)

## SPECIFICATION

|                            |                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
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| <b>Product Overview</b>    | Mouse Anti-Ifngr2 Monoclonal Antibody                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Species</b>             | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Source</b>              | Mouse                                                                                                                                                                                                                                                                                                                                                                                                                                           |
| <b>Antigen Description</b> | Interferon-gamma is a potent multifunctional cytokine which is secreted primarily by activated NK cells and T cells. Originally characterized based on anti-viral activities, IFN-gamma also exerts anti-proliferative, immunoregulatory, and proinflammatory activities. IFN-gamma can upregulate MHC class I and II antigen expression by antigen-presenting cells. The EC-2 antibody reacts with rat and mouse interferon-gamma (IFN-gamma). |
| <b>Target</b>              | Ifngr2                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| <b>Immunogen</b>           | Recombinant rat IFN-gamma                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Isotype</b>             | IgG1, kappa                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| <b>species</b>             | Rat                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| <b>Clone</b>               | EC-2                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| <b>Conjugation</b>         | Alexa Fluor 647                                                                                                                                                                                                                                                                                                                                                                                                                                 |

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| <b>Applications</b>         | N/A                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| <b>Preparation</b>          | The antibody was purified by affinity chromatography, and conjugated with Alexa Fluor 647 under optimal conditions. The solution is free of unconjugated Alexa Fluor 647.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| <b>Usage recommendation</b> | Each lot of this antibody is quality control tested by intracellular immunofluorescent staining with flow cytometric analysis. For immunofluorescent staining, the suggested use of this reagent is 5 µl per million cells in 100 µl volume. It is recommended that the reagent be titrated for optimal performance for each application. * Alexa Fluor 647 has a maximum emission of 668 nm when it is excited at 633nm / 635nm. ** Alexa Fluor is a registered trademark of Molecular Probes, Inc. Alexa Fluor dye antibody conjugates are sold under license from Molecular Probes, Inc. for research use only, except for use in combination with microarrays and high content screening, and are covered by pending and issued patents. View full statement regarding label licenses |
| <b>Storage</b>              | The antibody solution should be stored undiluted at 4 °C and protected from prolonged exposure to light. Do not freeze.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| <b>Size</b>                 | 25 tests; 100 tests                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |

## GENE INFORMATION

|                        |                                                                                                          |
|------------------------|----------------------------------------------------------------------------------------------------------|
| <b>Gene Name</b>       | <a href="#">Ifngr2</a> <a href="#">interferon gamma receptor 2</a> [ <a href="#">Rattus norvegicus</a> ] |
| <b>Official Symbol</b> | Ifngr2                                                                                                   |
| <b>Synonyms</b>        | IFNGR2; interferon gamma receptor 2;                                                                     |
| <b>Gene ID</b>         | <a href="#">360697</a>                                                                                   |

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|----------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| mRNA Refseq    | NM_001108313                                                                                                                                                                                                                                                                                                                                                                                                              |
| Protein Refseq | NP_001101783                                                                                                                                                                                                                                                                                                                                                                                                              |
| Pathway        | Chagas disease (American trypanosomiasis), organism-specific biosystem; Chagas disease (American trypanosomiasis), conserved biosystem; Cytokine-cytokine receptor interaction, organism-specific biosystem; Cytokine-cytokine receptor interaction, conserved biosystem; Herpes simplex infection, organism-specific biosystem; Herpes simplex infection, conserved biosystem; Influenza A, organism-specific biosystem; |
| Function       | receptor activity;                                                                                                                                                                                                                                                                                                                                                                                                        |

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