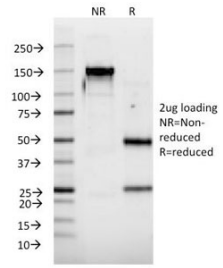
# IFNA2 Antibody N39 / IFNA2 C-Terminal Antibody [clone N39] (V2612)

| Catalog No. | Formulation | Size |
|---|---|---|
| V2612-100UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 100 ug |
| V2612-20UG | 0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide | 20 ug |
| V2612SAF-100UG | 1 mg/ml in 1X PBS; BSA free, sodium azide free | 100 ug |

**Bulk quote request**

| | |
|---|---|
| **Availability** | 1-3 business days |
| **Species Reactivity** | Human |
| **Format** | Purified |
| **Host** | Mouse |
| **Clonality** | Monoclonal (mouse origin) |
| **Isotype** | Mouse IgG1, kappa |
| **Clone Name** | N39 |
| **Purity** | Protein G affinity chromatography |
| **UniProt** | P01563 |
| **Localization** | Cytoplasmic, extracellular (secreted) |
| **Applications** | ELISA (order the BSA-free format for coating) |
| **Limitations** | This IFNA2 Antibody N39 / IFNA2 C-Terminal Antibody is available for research use only. |




Purified IFNA2 Antibody N39 SDS-PAGE. SDS-PAGE analysis of purified, BSA-free IFNA2 Antibody, clone N39, under non-reducing (NR) and reducing (R) conditions. Under non-reducing conditions, the intact antibody migrates predominantly near 150 kDa. Under reducing conditions, bands corresponding to the antibody heavy and light chains are visible at approximately 50-55 kDa and 25 kDa, respectively. The observed banding pattern supports the integrity and purity of the IFNA2 C-Terminal Antibody preparation.

## Description

IFNA2 Antibody N39 / IFNA2 C-Terminal Antibody recognizes interferon alpha 2 (IFNA2), a member of the type I interferon family with important functions in antiviral defense and immune regulation. IFNA2 binds the shared type I interferon receptor complex composed of IFNAR1 and IFNAR2, activating intracellular JAK-STAT signaling. This response induces expression of interferon-stimulated genes that establish antiviral cellular states and influence immune-cell activation, antigen presentation, and communication between innate and adaptive immunity.

IFNA2 is produced in response to viral infection and other immune stimuli and is one of the most extensively studied members of the human interferon alpha family. Its biological effects include restriction of viral replication, modulation of natural killer cell activity, regulation of dendritic and T-cell responses, and changes in cellular proliferation and survival. These activities have made IFNA2 important to research in virology, immunology, inflammatory signaling, cancer biology, and therapeutic cytokine responses.

The human interferon alpha family contains multiple closely related proteins encoded by separate genes. Despite substantial sequence homology, individual interferon alpha subtypes can differ in receptor interactions, biological potency, and patterns of activity. Reagents targeting defined regions of IFNA2 can therefore provide useful tools for investigating this individual interferon subtype. The epitope recognized by clone N39 has been mapped within amino acids 112-148 of human IFNA2, placing its binding site toward the C-terminal region of the mature protein.

Clone N39 is a mouse monoclonal antibody generated against recombinant human IFNA2 and recognizes a defined C-terminal region of the protein. NSJ Bioreagents offers this IFNA2 C-Terminal Antibody for researchers investigating interferon alpha 2 expression, cytokine biology, antiviral responses, and type I interferon signaling. An IFNA2 Antibody provides a clone-defined reagent for studying this important member of the human interferon alpha family.

Explore our Immunology Antibodies page for additional reagents targeting cytokines, receptors, and signaling proteins involved in innate and adaptive immune responses.

## Application Notes

Optimal dilution of the IFNA2 Antibody N39 / IFNA2 C-Terminal Antibody should be determined by the researcher.

## Immunogen

Purified recombinant human IFNA2 was used as the immunogen for the IFNA2 Antibody N39.

## Storage

Store the IFNA2 Antibody N39 at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

## Alternate Names

IFNA2 antibody, Interferon alpha 2 antibody, Interferon alpha-2 antibody, IFN alpha 2 antibody, IFN-alpha 2 antibody, IFNA2 C-terminal antibody


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