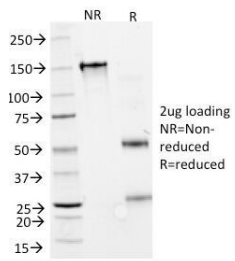
Interferon Alpha 2 Antibody N27 / IFNA2 N-Terminal Antibody [clone N27] (V3360)

Catalog No.	Formulation	Size
V3360-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3360-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3360SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Citations (2)

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	N27
Purity	Protein G affinity chromatography
UniProt	P01563
Localization	Cytoplasmic, extracellular (secreted)
Applications	ELISA (order BSA/sodium azide-free format for coating)
Limitations	This Interferon Alpha 2 Antibody N27 / IFNA2 N-Terminal Antibody is available for research use only.



Purified Interferon Alpha 2 Antibody N27 SDS-PAGE. SDS-PAGE analysis of purified, BSA-free Interferon Alpha 2 Antibody, clone N27, with 2 ug loaded 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 monoclonal IFNA2 N-Terminal Antibody preparation.

Description

Interferon Alpha 2 Antibody N27 / IFNA2 N-Terminal Antibody recognizes interferon alpha 2 (IFNA2), a member of the type I interferon family involved in antiviral defense and immune regulation. IFNA2 signals through the shared type I interferon receptor complex composed of IFNAR1 and IFNAR2. Receptor engagement activates JAK-STAT signaling and induces expression of interferon-stimulated genes that help establish antiviral cellular states while regulating immune-cell activity and communication between innate and adaptive immune responses.

IFNA2 is produced in response to viral infection and other immune stimuli and is among the most extensively characterized human interferon alpha proteins. Its biological activities include restriction of viral replication, modulation of natural killer cell function, regulation of dendritic and T-cell responses, and effects on cellular proliferation and survival. These properties make interferon alpha 2 relevant to research in virology, immunology, inflammatory signaling, cancer biology, and cytokine-mediated cellular responses.

The human interferon alpha family contains multiple proteins with substantial sequence similarity. Although these cytokines signal through the same receptor complex, individual subtypes can differ in biological potency, receptor interactions, and patterns of activity. Clone N27 recognizes a defined epitope within amino acids 43-53 of human IFNA2, positioning its binding site within the N-terminal portion of the mature protein. This mapped epitope differentiates the IFNA2 N-Terminal Antibody from antibodies recognizing other regions of interferon alpha 2.

Clone N27 is a mouse monoclonal antibody generated against human IFNA2. Its defined N-terminal epitope provides a clone-specific reagent for investigating this individual member of the interferon alpha family. NSJ Bioreagents offers this Interferon Alpha 2 Antibody for researchers studying IFNA2 expression, antiviral responses, cytokine biology, and type I interferon signaling. An Interferon Alpha 2 Antibody provides a targeted reagent for studying the expression and biology of this important immunoregulatory cytokine.

For an alternative monoclonal clone recognizing a different IFNA2 epitope, see our IFNA2 Antibody N39 / IFNA2 C-Terminal Antibody page.

Application Notes

Optimal dilution of the Interferon Alpha 2 Antibody N27 / IFNA2 N-Terminal Antibody should be determined by the researcher.

Immunogen

Purified recombinant human IFNA2 was used as the immunogen for the Interferon Alpha 2 Antibody N27.

Storage

Store the Interferon Alpha 2 Antibody N27 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 N-terminal antibody

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