

Anti-IFN gamma Antibody (2N992)

Product Details

Ig Type:	Mouse IgG1
Reactivity:	Human
Conjugation:	Unconjugated
Clone:	2N992
Purification:	Protein A

Applications

Verified Activity:	<p>Anti-IFN-gamma mouse monoclonal antibody at 1:500 dilution.</p> <ul style="list-style-type: none">-Lane A: Jurkat Whole Cell Lysate.-Lane B: Daudi Whole Cell lysate.-Lysates/proteins at 30 µg per lane.-Secondary <p>-Rabbit Anti-Mouse IgG (H+L)/HRP at 1/10000 dilution.</p> <ul style="list-style-type: none">-Developed using the ECL technique.-Performed under reducing conditions.-Predicted band size:19 kDa.-Observed band size:19 kDa
Application:	WB
Recommended	WB: 1:500-1:2000

Properties

Stability & Storage:	Store at 2°C-8°C for 1 month. Store at -20°C or -80°C for 12 months. Avoid repeated freeze-thaw cycles. Preservative-Free.
Shipping:	Shipping with blue ice.

Antigen Details

Immunogen:	Recombinant Protein: Human Interferon Gamma Protein (TMPY-01714)
Antigen Species:	Human
Synonyms:	IFN γ;interferon, γ;interferon, gamma
Biology Area:	Neuroinflammation

Research Background

IFN gamma, also known as IFNG, is a secreted protein that belongs to the type II interferon family. IFN gamma is produced predominantly by natural killer and natural killer T cells as part of the innate immune response, and by CD4 and CD8 cytotoxic T lymphocyte effector T cells once antigen-specific immunity develops. IFN gamma has antiviral, immunoregulatory, and anti-tumor properties. IFNG, in addition to having antiviral activity, has important immunoregulatory functions, it is a potent activator of macrophages and has antiproliferative effects on transformed cells and it can potentiate the antiviral and antitumor effects of the type I interferons. The IFNG monomer consists of a core of six α -helices and an extended unfolded sequence in the C-terminal region. IFN gamma is critical for innate and adaptive immunity against viral and intracellular bacterial infections and tumor

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control. Aberrant IFN gamma expression is associated with some autoinflammatory and autoimmune diseases. The importance of IFN gamma in the immune system stems in part from its ability to inhibit viral replication directly, and most importantly from its immunostimulatory and immunomodulatory effects. IFNG also promotes NK cell activity.

Cancer ImmunotherapyImmune CheckpointImmunotherapyTargeted Therapy

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481