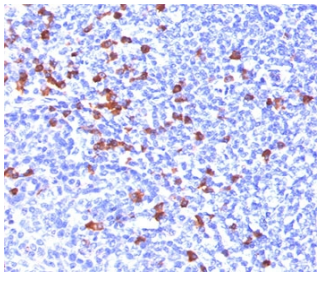
Anti-IgG Antibody / Human [clone IG266] (V2140)

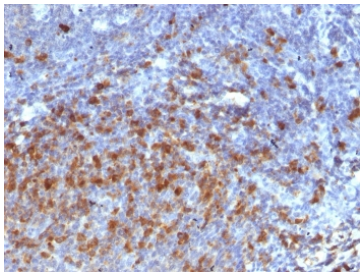
Catalog No.	Formulation	Size
V2140-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V2140-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V2140SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug
V2140IHC-7ML	Prediluted in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide; *For IHC use only*	7 ml

Bulk quote request

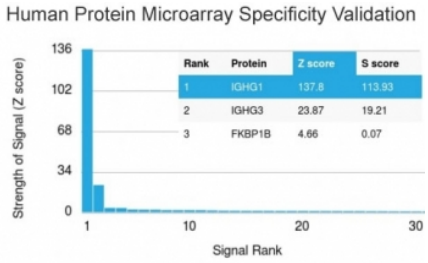
Species Reactivity	Human
Format	Purified
Host	Mouse
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	IG266
Purity	Protein G affinity chromatography
Buffer	1X PBS, pH 7.4
Gene ID	3500
Localization	Cytoplasm, Cell Surface and Secreted
Applications	Flow Cytometry : 1-2ug/10^6 cells Immunofluorescence : 1-2ug/ml Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This **anti-IgG antibody** is available for research use only.



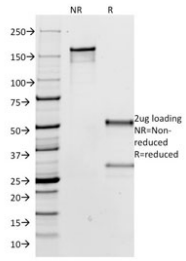
IHC testing of human tonsil stained with anti-IgG antibody (IG266). HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min and allow to cool before testing.



IHC staining of FFPE human tonsil with anti-IgG antibody. HIER: boil tissue sections in pH 9 10mM Tris with 1mM EDTA for 10-20 min and allow to cool before testing.



Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using anti-IgG antibody (clone IG266). These results demonstrate the foremost specificity of the IG266 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination with a fluorescently-tagged anti-IgG secondary Ab) produces when binding to a particular protein on the HuProt(TM) array. Z-scores are described in units of standard deviations (SD's) above the mean value of all signals generated on that array. If the targets on the HuProt(TM) are arranged in descending order of the Z-score, the S-score is the difference (also in units of SD's) between the Z-scores. The S-score therefore represents the relative target specificity of an Ab to its intended target.



SDS-PAGE analysis of purified, BSA-free anti-IgG antibody (clone IG266) as confirmation of integrity and purity.

Description

IgG antibody clone IG266 is a monoclonal antibody directed against immunoglobulin G, the most abundant antibody class in circulation and a central mediator of humoral immunity. IgG plays a critical role in pathogen neutralization, opsonization, complement activation, and long term immune memory. Because of its abundance and diverse functions, IgG detection is a standard component of immunology research, diagnostic assays, and therapeutic monitoring. NSJ Bioreagents provides IgG antibody clone IG266 for consistent, high quality detection of IgG across multiple applications.

IgG antibody clone IG266 is commonly used as a secondary or detection reagent in immunoassays. It recognizes the constant region of IgG molecules, enabling broad application across assays such as ELISA, western blotting, immunoprecipitation, and flow cytometry. The antibody reliably binds IgG without significant cross reactivity to other immunoglobulin classes, ensuring clean and interpretable results. Researchers rely on clone IG266 in both basic and applied settings where accurate quantification or identification of IgG is required.

In immunopathology, IgG antibody clone IG266 has been applied to tissue sections to investigate immune complex deposition, an important feature of autoimmune diseases including lupus nephritis and rheumatoid arthritis. Strong staining patterns produced by this antibody reveal the distribution of IgG in tissues and provide insight into how antibody mediated responses contribute to disease mechanisms.

In vaccine research and infectious disease studies, clone IG266 is used to measure antibody responses to antigens, confirming seroconversion and monitoring the development of protective immunity. Because IgG is the dominant isotype following secondary immune responses, detection with IgG antibody clone IG266 is essential for evaluating the durability of immunity.

The antibody has also been employed in therapeutic development, where engineered IgG antibodies are a leading class of biologic drugs. IgG antibody clone IG266 enables the detection and characterization of therapeutic antibodies, helping assess their stability, pharmacokinetics, and immune interactions.

Validated across immunohistochemistry, immunofluorescence, ELISA, and blotting applications, IgG antibody clone IG266 provides strong and reproducible signals. Its long publication history highlights its reliability and versatility. Alternate names include immunoglobulin G antibody, gamma globulin antibody, and Ig gamma antibody.

Application Notes

The concentration stated for each application is a general starting point. Variations in protocols, secondaries and substrates may require the anti-IgG antibody to be titered up or down for optimal performance.

1. The prediluted format is supplied in a dropper bottle and is optimized for use in IHC. After epitope retrieval step (if required), drip mAb solution onto the tissue section and incubate at RT for 30 min.

Immunogen

Purified human IgG heavy chain was used as the immunogen for this anti-IgG antibody.

Storage

Store the anti-IgG antibody at 2-8oC (with azide) or aliquot and store at -20oC or colder (without azide).

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