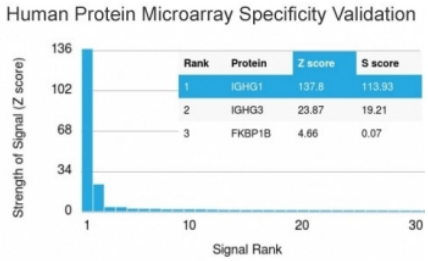
IgG Antibody / Human [clone IG266] (V2140CF488)

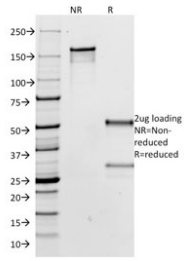
Catalog No.	Formulation	Size
V2140CF488-100T	500 ul at 0.1 mg/ml with 0.1 mg/ml BSA (US sourced), 0.05% sodium azide	100 Tests

Bulk quote request

Availability	1-3 business days
Species Reactivity	Human
Format	CF488 Conjugate
Clonality	Monoclonal (mouse origin)
Isotype	Mouse IgG2a, kappa
Clone Name	IG266
Purity	Protein G affinity chromatography
Localization	Cytoplasm, Cell Surface and Secreted
Applications	Flow Cytometry : 5ul/test/10^6 cells in 0.1ml Immunofluorescence : 1-2ug/ml
Limitations	This IgG antibody is available for research use only.



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 CF488 conjugate clone IG266 combines the specificity of IG266 with direct labeling using CF488, a bright green fluorescent dye known for high signal intensity and photostability. This format enables direct detection of IgG molecules without the need for secondary antibodies, streamlining workflows in immunofluorescence, flow cytometry, and confocal imaging. NSJ Bioreagents supplies IgG antibody CF488 conjugate clone IG266 to provide researchers with a dependable tool for sensitive and efficient fluorescence based detection of IgG.

IgG antibody CF488 conjugate clone IG266 is applied in diverse immunology studies where IgG quantification or localization is required. In flow cytometry, the green fluorescence output integrates seamlessly into multicolor panels, making it ideal for immune profiling. The conjugated antibody also supports immunofluorescence microscopy, where it produces clear visualization of IgG distribution in tissue sections and cell preparations.

In autoimmune research, detection of IgG with clone IG266 has helped identify immune complexes deposited in tissue, clarifying the role of antibodies in disease progression. In infectious disease and vaccine studies, it has been used to track antibody responses to pathogens, highlighting its utility in monitoring protective immunity.

IgG antibody CF488 conjugate clone IG266 is also useful in therapeutic antibody development. As monoclonal IgG based drugs continue to expand, reliable tools for detecting and characterizing IgG molecules are essential. The direct CF488 conjugation reduces assay time while ensuring high signal to noise ratios, making this antibody particularly valuable in high throughput settings.

Technically, the CF488 dye provides excellent brightness and resistance to photobleaching, ensuring stable signals during long imaging sessions. The antibody has been validated for flow cytometry, immunofluorescence, and microscopy, providing flexibility across experimental platforms. Alternate names include immunoglobulin G antibody CF488, gamma globulin antibody CF488, and Ig gamma antibody CF488.

Application Notes

Optimal dilution of the IgG antibody should be determined by the researcher.

Immunogen

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

Storage

Store the IgG antibody at 2-8oC, protected from light.