Recombinant Human IgG Antibody [clone rIG266] (V3583)

| Catalog No.	Formulation	Size
V3583-100UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	100 ug
V3583-20UG	0.2 mg/ml in 1X PBS with 0.1 mg/ml BSA (US sourced) and 0.05% sodium azide	20 ug
V3583SAF-100UG	1 mg/ml in 1X PBS; BSA free, sodium azide free	100 ug

Recombinant MOUSE MONOCLONAL

Bulk quote request

|	
Availability	1-3 business days
Species Reactivity	Human
Format	Purified
Clonality	Recombinant Mouse Monoclonal
Isotype	Mouse IgG1, kappa
Clone Name	rIG266
Purity	Protein G affinity chromatography
UniProt	P01857
Localization	Cytoplasm, Cell Surface and Secreted
Applications	Immunohistochemistry (FFPE) : 1-2ug/ml for 30 min at RT
Limitations	This recombinant human IgG antibody is available for research use only.
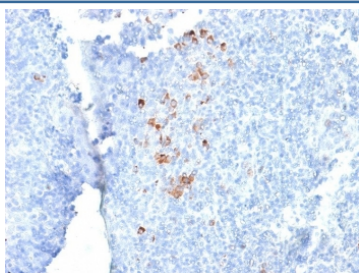
IHC testing of FFPE human tonsil with recombinant human IgG antibody (clone rIG266). Required HIER: boil tissue sections in 10mM citrate buffer, pH 6, for 10-20 min followed by cooling at RT for 20 min.
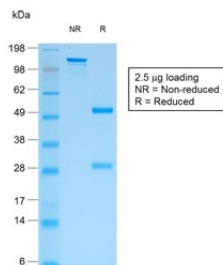
SDS-PAGE analysis of purified, BSA-free recombinant human IgG antibody (clone rIG266) as confirmation of integrity and purity.
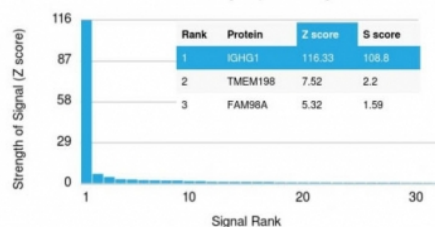
Analysis of HuProt(TM) microarray containing more than 19,000 full-length human proteins using recombinant Human IgG antibody (clone rIG266). These results demonstrate the foremost specificity of the rIG266 mAb.
Z- and S- score: The Z-score represents the strength of a signal that an antibody (in combination 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.

Description

Recognizes a protein of 75kDa, identified as gamma heavy chain of human immunoglobulins. It reacts with all sub-classes of gamma chain of human immunoglobulins. It does not cross-react with alpha (IgA), mu (IgM), epsilon (IgE), or delta (IgD), heavy chains, T-cells, monocytes, granulocytes, or erythrocytes. This mAb is useful in the identification of leukemias, plasmacytomas, and certain non-Hodgkin's lymphomas. The most common feature of these malignancies is the restricted expression of a single heavy chain class. Demonstration of clonality in lymphoid infiltrates indicates that the infiltrate is clonal and therefore malignant.

Application Notes

The optimal dilution of the recombinant human IgG antibody for each application should be determined by the researcher.

Immunogen

Human Ig Gamma Chain was used as the immunogen for this recombinant human IgG antibody.

Storage

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